

11-14-2006

## Avion 2006-11-14

Embry-Riddle Aeronautical University

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# THE AVION

TUESDAY  
November 14, 2006  
Volume CXVII  
Issue 11

A Division of the Student Government Association

Embry-Riddle Aeronautical University · Daytona Beach, Florida

One Free Copy per Person

## Volleyball upset ends Eagles' postseason

**Coach handed first-ever red card; semifinal match ends 30-27**

Jonathan Mettin  
Managing Editor

A controversial call on a crucial serve brought an abrupt end to Embry-Riddle volleyball's regional championship bid on Friday, as the Eagles dropped game four of the semifinal match 30-27 to the Webber

International Warriors to lose the match 1-3 (25-30, 30-26, 25-30, 27-30).

The call came on a Warrior serve by Cindy Eurie during a 27-27 tie. The ball appeared to hit the antenna, which would mean it was out of bounds and Embry-Riddle would have received the point, but head referee Tami Warren called the ball inbounds to make the score 28-27. Eagle head coach Joslynn Gallop argued the call, receiving a yellow card. Refusing to back down, she was then issued a red card (Gallop's first in her career), which gave the Warriors match point, which Kristyn Kuffermann took advantage of with her ninth kill of the night to upset the second-seeded Eagles and earn a spot in Saturday's championship match.

Middle blockers Jenn Meglic and Mia Jaramillo had a banner tournament. Jaramillo, in her final matches in an Eagles

jersey, hit .350 for the day with 16 kills and went up for five blocks, while Meglic sealed her position as the Eagles' offensive leader with a 28-kill .500 to finish the season with a .302 hitting percentage and 347 kills, both team highs. Outside hitter Savannah Trakes also had a good day, recording 20 kills and 17 digs.

The Eagles kicked off the weekend with a quarterfinal match against Florida Memorial, the No. 7 seed. The Eagles made quick work of the Lions in game one, dispatching them 30-9. The Lions made a more respectable showing in games two and three, actually going point-for-point with ERAU to 12-12 in game two, but the Eagle offense was still too much for them to handle, and they dropped the next two games 21-30 and 15-30. The Lions hit for negative percentages in all three games for a total of -.118, while the Eagles hit .257 as a team, including an error-free .556 in game one.

Meglic dominated the offense with 17 kills and a .577 percentage. Trakes was second on the team in kills and digs, logging nine kills, seven digs, one block and a .348. Jaramillo hit .357 with six kills. Normally potent attackers April Ebanks and Jenni Nelsen were surprisingly quiet on the offensive end, hitting a combined eight kills with a -.086, but each led their defensive categories with four blocks (middle blocker Ebanks) and eight digs (outside hitter Nelsen). Setter Marissa Gonzales quarterbacked the team with 36 of the team's 37 assists.

On the Lions' side, Alicia Morris and Herenta Ebuomvan each had four kills, to share the Lion lead in that category. Ebony Bryant was the only Lion to hit for a non-negative percentage, but couldn't crack a positive one either with her two-kill, two-error .000. Terri Tarver and Sherri Tarver led the defense with 14 and 11 digs, respectively, while Morris led the blocking game with five.

That evening, the Eagles advanced to the semifinals to face Webber, who had handily beaten St. Thomas 3-0 in the quarterfinals and had lost to Embry-Riddle twice earlier in the season. In both losses, however, the Warriors had played a five-game match earlier in the day, so the Eagles were ready to expect a fresher squad.

The match quickly degenerated into an all-out slugfest, with errors costing both teams dearly. It was point-for-point for most of the four games, with Webber edging the Eagles in the first and third games 30-25 and the Eagles taking game two 30-26. The con-



CHRIS TEZAK/AVION

MIDDLE BLOCKER JENN MEGLIC hit .500 in the Florida Sun Conference/NAIA Region XIV Tournament on Friday, finishing the season with a team-high .302 hitting percentage — 25 percent higher than her nearest competitor.

### Pool complex bites the dust



JONATHAN METTIN/AVION

**BETTER LATE THAN NEVER**, a demolition crew makes quick work of the Tine Davis Pool Complex last week. The land will be used for a new, two-story fitness center. Demolition was expected to take place in September.

Please see "VBALL," page A3

## Discovery rolls to pad for December fireworks

Jacob Stump  
Staff Reporter

The Space Shuttle Discovery sits ready at Launch Pad 39B following a successful rollout from the Vehicle Assembly Building last week. Discovery is set to launch Dec. 7 at 9:38 p.m., making it the first night launch of a Shuttle in four years.

In an unprecedented move, NASA had moved up the launch of the Shuttle Discovery by a full week from an original date of Dec. 14. Wayne Hale, NASA's shuttle program manager, told Space.com "I am extremely proud of the work our crew did at the Kennedy Space Center...I cannot, in the entire history of the shuttle program, remember a time where we advanced the launch date by a week within the last couple of months to preparation."

The STS-116 mission to the International Space Station is slated to deliver a new piece to the Port 5 (P5) truss segment of the ISS. This is part of the metallic backbone, and will be the first step in rewiring the ISS's power grid. Previously, the station relied on a pair of temporary solar arrays attached to the Port 6 (P6) truss, and so rewiring is required to switch to the newer panels delivered to Port 3 and 4 (P3/P4) on STS-115 in September.

As part of this process, one of the P6 panels must be folded away to allow the newer panels to rotate and align properly to the sun. This procedure has never been

attempted before, and the 6-year-old panels may not react as expected, due to the drastic temperature changes that solar panels regularly experience (-200 F to 200 F every 45 minutes). Artist renderings of this process can be found on NASA's ISS webpage at [www.nasa.gov/mission\\_pages/station/main/](http://www.nasa.gov/mission_pages/station/main/).

If the solar arrays fail to retract, the astronauts of the STS-116 crew are prepared to retract them manually. "We'll go up there and if it doesn't retract, we'll retract it by hand using a pistol grip tool or a cordless drill if that's necessary. We'll latch it if it's necessary... One way or another, we're going to get it retracted," Mission Specialist Robert Curbeam said. Curbeam also said the larger concern is that some of the ISS equipment may not function properly after the rewiring. Considering that some of this equipment includes life-support systems, it is vital that everything powers up correctly after the procedure.

The STS-116 crew consists of veteran Shuttle flier and commander of the mission Mark Polansky, rookie Shuttle Pilot William Oefelein, plus Mission Specialists Robert Curbeam, a veteran, and rookies Joan Higginbotham, Nicholas Patrick, Sunita Williams, and Swedish spaceflyer Chris Fuglesang of the European Space Agency (ESA). Williams will remain aboard the ISS after STS-116, relieving ESA astronaut Thomas Reiter, who has served on the station since July. Reiter will return to Earth aboard Discovery.



ROBERT KEITH/AVION

**SHUTTLE DISCOVERY INCHES UP** launch pad 39B after its 4.2 mile, eight-hour trip from the Vehicle Assembly Building last Thursday. The 18-million-pound, 24-story vehicle stack consisting of shuttle, crawler transporter and launch platform, moves at a top speed of 0.9 mph. Discovery is due to blast off Dec. 7 at 9:38 p.m., the first night launch of the shuttle since 2002.

Campus News . . . . . A2  
Sports . . . . . A4  
Student Life . . . . . A6  
Student Government . . . . . A7  
Opinions . . . . . A8  
World News . . . . . A9  
Aeronautica . . . . . A10  
Space Technology . . . . . A12  
Entertainment . . . . . B1  
Comics . . . . . B4  
Classifieds . . . . . B5

### F-117A retired from Air Force after 15 years

Aeronautica, A11



### 'Stranger than Fiction' not typical Will Ferrell flick

Entertainment, B1





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## Flight Team returns victorious

Nathan Vanagas

### Advertising Manager

The Eagles Flight Team recently returned from the National Intercollegiate Flying Association (NIFA) regional competition held in Auburn, Ala., bringing home the regional championship trophy for the 19th straight year.

Florida Institute of Technology took second place, and Jacksonville University was awarded third place. Other competing teams were: Auburn University, Broward Community College, Florida Community College (Jacksonville), Lynn University, and Miami-Dade Community College.

At least two Eagles Flight Team members placed in the top ten for every event that was held. In addition to a doing very well as a team, several individual competitors

from ERAU were also recognized. Liam Broderick was given the top-scoring male contestant award as well as the top-scoring pilot award. Natsu Okiyama was given the top-scoring female contestant award.

The flight team brought 15 competitors to this year's regional competition: Mike Veiht, Phil Siess, Alex Kim, Whitney VanBrink, Pat Herrmann, Natsu Okiyama, Joey Giangrosso, Dan Thurber, Geoffrey Stern, Joe Daniel, Liam Broderick, Schuyler Nachod, Tim Lerner-Lam, Chris Rivera, and Dan Demmery. Each member greatly contributed to the overall victory.

The flight team is now shifting its focus to this spring's national competition. After the team was restructured last year it has shown steady improvement, and hopes are high that they will improve upon last year's sixth place performance



PHOTO COURTESY EAGLES FLIGHT TEAM

at nationals. The competition team for the national competition will be announced sometime in the middle of next semester.

The 2007 NIFA SAFECON will be hosted this spring by the Ohio State University. Top schools from each of NIFA's 11 regions will compete at the national level in a variety of events. The flight events include: power off landings, short

field landings, navigation, message drop, IFR precision flight, and IFR simulated flight. The ground events include: computer accuracy, aircraft preflight inspection, aircraft recognition, and simulated comprehensive aircraft navigation. For more information on the various events or to check on the flight team's progress, visit their website: [www.eaglesflightteam.org](http://www.eaglesflightteam.org).



PHOTO COURTESY CHRIS TEZAK

## Study Abroad at Dakar, Senegal

### Spend a semester in the Safari

Michael Anthony Gonzalez  
Special to *The Avion*

Can't decide what to do next summer? Are you dreading taking more classes in the alphabet soup here in boring Daytona Beach? Well, I have a proposition for you. How about going on a safari in West Africa? That's right! Take a safari in the largest zoological park in West Africa, and you can do lots more in Dakar, Senegal, next summer. The sky is the limit as they say. The ERAU Study Abroad Office is offering a study abroad program in Dakar, Senegal in Summer A 2007 and you are invited to attend!

Senegal is located on the west of the African continent, and actually the capital city of Dakar is the westernmost point of continental Africa. The climate is tropical with well-defined dry and humid seasons. The program will take place

at Suffolk University-Dakar (SUD) which is one of the best universities in West Africa! Classes are only four days a week for four weeks and you will earn six ERAU credit hours at half price tuition! You will take an upper level SS/HU class taught by Dr. Mohamed S. Camara, called Religion & Politics in West African Cultures. You will also take a lower level humanities class where you will study French, the official language of Senegal. Fridays and Saturdays will be set aside for the many wonderful field trips that Dr. Camara has planned.

Take a journey and explore all the amazing attractions that Senegal has to offer you, and enjoy your three day weekends going on adventures of a lifetime. Pack your camera, because you will be going on memorable field trips from one city to another, capturing the beauty of Senegal that will stay with you forever. Memorable adventures and opportunities await you once you go to Senegal. Can't wait to go? Well, you haven't heard anything yet!

Niokolo Koba is the largest zoological park in West Africa where your safari adventure will take place. Make sure to take lots of pictures of all the wild ani-

mals you will encounter. Lions, elephants, giraffes, antelopes; the possibilities are endless! These are memories that will last a lifetime. You will also get to visit the historic island of Goree, where you will learn about the African side of the Trans-Atlantic Slave Trade. You will visit the Slave House Museum where slaves were held before they crossed the Atlantic.

For those who enjoy architecture, art and culture, you will not want to miss the Dakar Museum of Art. Take pictures of yourself by modern sculptures, and monuments in the public art around Dakar. You will also take a trip to The C.A.D. University of Dakar where some of the best minds of Africa study, and also tour the Cheikh Anta Diop University, one of West Africa's top institutions for higher education. Also, don't forget to go swimming at Senegal's beaches when you have free time so you can relax and enjoy the ocean!

Journey on to the city of Joal and tour the birthplace of Senegal's first president, Leopold Sedar Senghor, who was known for his poetry and for creating the concept of Négritude; this was an important philosophical movement to distance African culture from European influences. After that; your next adventure leads you to the city of Saint Louis, which was the original capital of the former Afrique Occidentale Française or French West Africa. While in Saint Louis you can explore nature and the special culture of this region.

Once you have gone to Saint Louis, the next adventure on your journey in Senegal will take you to the city of Touba. Here you can also explore the spiritual capital of the Mouride brotherhood founded by Cheikh Ahmadou Bamba and appreciate African religious tolerance. While you are there you will visit the Great Mosque of Touba, and may also get to see the Pilgrims rushing to Touba for the annual maggal. By now you may be asking yourself, "what can I do in my own free time, or at night?" The night belongs to you, and anything safe and legal will make your experience in Senegal more memorable.

We would like to thank Embry-Riddle Aeronautical University for giving students the opportunity of a lifetime to travel to Senegal, Africa; Santiago Giraldo from the Study Abroad office; Dr. Cunningham from the Provost's Office; and a very special thanks to Dr. Camara, who will be your Professor in Senegal. He will be there to help you learn, and to be your guide through this rich cultural experience; everyone can enjoy their month in Senegal. Remember Senegal, Africa, where there are endless opportunities for adventure and fun!

For applications and more information, you can e-mail Santiago Giraldo at [study.abroad@erau.edu](mailto:study.abroad@erau.edu) or go on the Study Abroad website at <http://www.erau.edu/omni/erstudyabr/index/html>.

Nicole Boyd contributed to this report.



PHOTO COURTESY ERAU STUDY ABROAD

DAKAR IS THE CAPITAL city of Senegal, located on the Cape Verde Peninsula in western Africa. It is home to the Dakar Grand Masque and the IFAN museum of Western Africa Culture.



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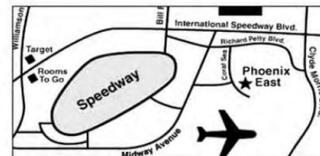
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JUNE 16

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
	14	15	16	17	18	19	20
1:30 AM	Silber	House of Wax	Click	Fun With Dick and Jane	Blade 2 Bloodhunt	American Dream: Fast and the Furious Tokyo	Nacho Libre
8:00 AM	Secondhand Lions	Over the Hedge	Apollo 13	The Pink Panther	Austin Powers 2	Fast and the Furious Tokyo	Silber
10:30 AM	Firewall	The Wedding Singer	Wait Deep	I am Sam	Mission Impossible 3	MonsterHouse	Secondhand Lions
1:00 PM	Nacho Libre	The Bourne Supremacy	Lord of the Rings 3	The Lake House	Final Destination 2	The Break Up	Firewall
3:30 PM	Silber	House of Wax	Click	Fun With Dick and Jane	Blade 2 Bloodhunt	American Dream: Fast and the Furious Tokyo	Nacho Libre
6:00 PM	Secondhand Lions	Over the Hedge	Apollo 13	The Pink Panther	Austin Powers 2	Fast and the Furious Tokyo	Silber
8:30 PM	Firewall	The Wedding Singer	Wait Deep	I am Sam	Mission Impossible 3	MonsterHouse	Secondhand Lions
11:00 PM	Nacho Libre	The Bourne Supremacy	Lord of the Rings 3	The Lake House	Final Destination 2	The Break Up	Firewall

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## Bees three-peat as FSC, Region XIV champions

Jonathan Mettin  
Managing Editor

The Savannah College of Art and Design (SCAD) Bees captures their third straight Florida Sun Conference/Region XIV title this weekend, defeating Edward Waters, Northwood and Webber International to earn a slot in the NAIA national tournament, which will be held at the end of the month in Columbia, Mo.

The Bees, who had suffered injuries that devastated their lineup, came out in full force to outthit their

opposition .330 to .070 and out-block them 26 to 8 to close out the regular season and regionals without a single conference loss. FSC Player of the Year Frida Sigurdardottir cleaned house in the tournament, hitting .435 or better in all three of SCAD's matches.

"We played well," SCAD head coach Glenn Cox said after the championship match. "We were able to get some key people back."

While he said several players, including Sigurdardottir, had good matches, he said his team performed excellently as a whole.

"That was the key," he said.

"Everybody had good numbers." SCAD senior Emily Bumby agreed. "The whole team showed up in their own way," she said, adding that each Bee brings a different element to the game.

"I think we definitely peaked at the right time," Sigurdardottir said, referring to the championship match.

The tournament, which was held on the campus of Embry-Riddle Aeronautical University, differed from previous years in that all eight teams in the region competed. The regular season records, rather than being used to send the top four teams to the playoffs, determined the seedings of the tournament.

The tournament began Friday morning, with No. 4 Northwood and No. 5 Warner Southern on the main court and No. 3 Webber International and No. 6 St. Thomas on the side court. While the Warriors beat a decimated St. Thomas lineup fairly handily 30-22, 30-26, 30-26, the Northwood/Warner contest turned into the match to watch at the tournament. Northwood took the first game 30-26, but Warner evened the match with a 30-21 win in game two. Games three and four were pretty much point-for-point, with the Seahawks taking the third 30-28 and the Royals taking the fourth in extra points 32-30 to force the tie-breaker. Warner seemed poised to take the match with a 13-11 lead in game five, but the Seahawks took a timeout and then mounted a massive comeback to take the game 15-13.

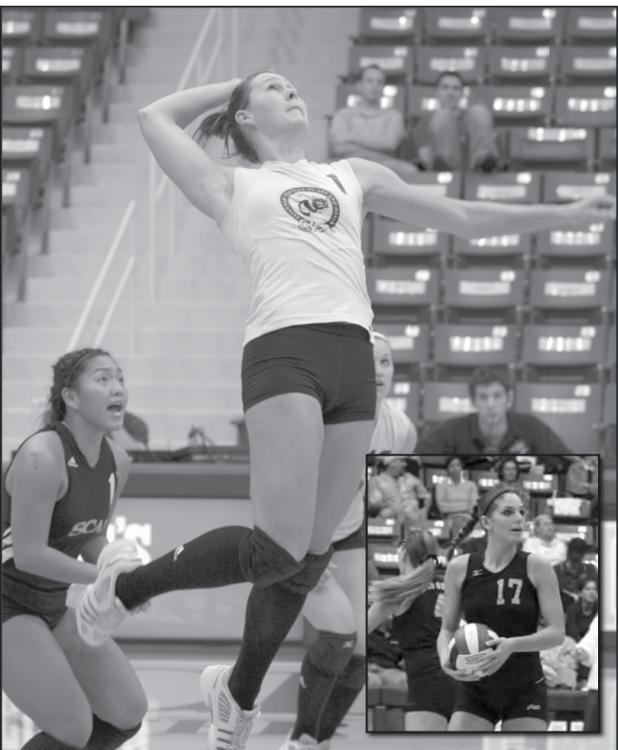
The afternoon quarterfinals pitted top seed SCAD against bottom seed Edward Waters on the side court and No. 2 Embry-Riddle against No. 7 Florida Memorial on the main court. Both higher seeds cruised to easy 3-0 victories, with the Bees beating the Tigers 30-16, 30-14, 30-14 and the Eagles beating the Lions 30-9, 30-21, 30-15.

The first semifinal of the night pitted Embry-Riddle against Webber. The match was point-for-point most of the way, with 50 ties and 24 lead changes. Webber ultimately prevailed 3-1 (30-25, 26-30, 30-25, 30-27), but not without controversy - a



GREG FRECHETTE/AVION

THE SAVANNAH COLLEGE OF Art and Design volleyball team captured their third straight FSC title with a win against Webber International. The tournament was held in the ICI Center over the weekend.



MACIEK MAJEWSKI/AVION (INSET) AND GREG FRECHETTE/AVION

FSC PLAYER OF THE YEAR Frida Sigurdardottir dominated during the tournament, hitting over .400 in every match. Webber's Chantelle Jordan (inset) also posted impressive numbers.

Webber serve at 27-27 in game four that appeared to hit the antenna was ruled in-bounds, giving the Warriors a 29-27 match point after a red card was issued to the Embry-Riddle coaching staff.

The SCAD/Northwood contest could not have more different. After being mauled in game one 30-9, Northwood took an early 10-2 lead over the Bees. SCAD came back to knot the game at 13 before taking over the game for a 30-22 win. The Seahawks couldn't get it back together in game three as the Bees overpowered them 30-12. The Bees hit a stellar .423 compared to a dismal .033 for the Seahawks to make the final a Webber/SCAD contest.

The two teams took to the court on Saturday afternoon for the championship match. Webber took an

early lead in game one, but SCAD slowly chipped it away, taking the lead for their own on their way to a 30-24 win.

Game two saw Webber jump out to a 7-1 lead, but again the Bees slowly erased the Warriors' lead and knotted the game at 25-25. SCAD had a 29-27 game point, but Webber came back to tie it again. The two teams traded points all the way to 36-36 before two SCAD errors and a Chantelle Jordan kill gave Webber a 38-36 win.

The Bees came right back in game three, taking a big lead early and nursing it to a 30-27 win. It was more of the same in game four as the Bees took a 10-3 lead and never let the Warriors closer than three points to cruise to a 30-22 win and grab their third title in as many years.

The Bees, ranked nationally at No. 21, now have several off weeks before the national tournament Nov. 29. The competition will be more intense, but Cox said his team is ready.

"Our only losses are to Top 25 teams," the coach of the 25-11 Bees pointed out.

"We know what to expect," Bumby said. "Our goal is to get to the Elite Eight." Sigurdardottir quickly added with a grin, "If we get that far, we might as well keep going."

Both players are among several SCAD seniors playing their final season of college volleyball. Asked about ending the season with a regional title, Bumby said, "It feels great. Especially when you look at the other option."

## Volleyball season comes to bitter end SCAD takes pair of All-FSC awards



MACIEK MAJEWSKI/AVION

SENIOR MIA JARAMILLO (LEFT) hit .350 in Friday's two matches to close out her Embry-Riddle career. Freshman Savannah Trakes (right) recorded 20 kills and 17 digs in the same two matches.

"VBALL" from Front

roversial Eurie serve broke the fourth game open for the Warriors, giving them the 3-1 upset of the Eagles.

Nelsen, Trakes and Meglic each logged 11 kills, Jaramillo right behind them with 10. Meglic hit .409 in the match and went up for two blocks. Nelsen laid out for 26 digs, and Trakes had three service aces. Jaramillo was credited with five blocks, while Ebanks had eight blocks to back up her eight kills. Libero Rachel Ridder led all players with 27 digs. On the Warrior side, Chantelle Jordan logged 13 kills and 22 digs. Kuffermann and Leah Merrique both went up for five blocks, Eurie had 20 kills and

Brittany Tuliano had 16 digs.

Gallop was pleased with her team's performance, despite the loss. "We really played well," she said after the tournament concluded on Saturday. "Marissa set both matches very well. Savannah had a great night."

The Eagles are now looking forward to 2007. Contrary to the past two years, the team is not losing that many players - only Jaramillo is graduating. Next season is also the expected return of outside hitter Janelle Marinos, the 2005 FSC Player of the Year and the ERAU single-season kills record holder. Gallop has high expectations.

"We have some recruiting to do," Gallop said, but quickly added, "We're young, but we're back."

Jamie Joss  
ERAU Sports Info. Dept.

DAYTONA BEACH, Fla. - Savannah College of Art and Design senior middle blocker Frida Sigurdardottir and Bees head coach Glenn Cox captured the top two Florida Sun Conference postseason awards with Player and Coach of the Year, respectively, at the banquet held at Daytona USA's Bill France room Thursday night.

Sigurdardottir, a native of Reykjavik, Iceland, finished the year leading the Bees in total blocks (134) and blocks per game (1.19). She also ranked second on the team in hitting percentage (.249), kills (313), kills per game (2.77), and fourth in digs (208).

Cox, who picked up his 100th win with the Bees earlier this season, helped SCAD to a No. 21 ranking in the NAIA behind a perfect 14-0 league record and 22-11 overall record. SCAD holds a 39-3 record since entering the league in 2004 and has won 20 straight conference matches dating back to their last loss against Flagler on Oct. 6, 2005. The Bees have won three straight conference regular-season titles and three consecutive FSC tournament titles.

Sturgeon battled through a tough season, with the Bobcats losing players to injury and not having enough to field a team in several matches, forcing forfeits. However, he and his

team overcame the adversity recruiting from other athletic teams at STU to field a squad and finished out the season with a 4-18 overall record and 4-10 in the league.

Northwood University sophomore Ashley McDannold earned FSC Libero of the Year honors. The Versailles, Ky. native recorded double-figures in digs in 19 of 31 matches played highlighted by a season-high 30 digs against Warner Southern, 24 against Embry-Riddle and 21 apiece against Southeastern (Fla.) and Milligan (Tenn.). She finished the year averaging 3.30 digs (321 total) and had only 33 receiving errors (0.30 per game) in 97 games played. She also added 43 kills.

**All-FSC Team**  
Cristina Payne, OH, SCAD  
April Ebanks, MB, ERAU  
Marissa Gonzales, S, ERAU  
Danelle Wagner, S, WIU  
Alyssa Breviaro, S, NU  
Emily Bumby, OH, SCAD  
Heather Friend, OH, SCAD  
Jenni Nelsen, OH, ERAU  
Nikisha Arrington, RS, WSC  
Chantelle Jordan, LS, WIU  
Leah Merrique, OPP, WIU  
Karlene Diaz, OH, NU

**Player of Year**  
Frida Sigurdardottir, MB, SCAD

**Libero of Year**  
Ashley McDannold, NU

2006 Statistics	
<ul style="list-style-type: none"> <li>□ Kills</li> <li>Jenn Meglic (347)</li> <li>April Ebanks (305)</li> <li>Savannah Trakes (293)</li> </ul>	<ul style="list-style-type: none"> <li>□ Digs</li> <li>Rachel Ridder (440)</li> <li>Jenni Nelsen (377)</li> <li>Savannah Trakes (279)</li> </ul>
<ul style="list-style-type: none"> <li>□ Hitting Percentage</li> <li>Jenn Meglic (.302)</li> <li>April Ebanks (.240)</li> <li>Mia Jaramillo (.172)</li> </ul>	<ul style="list-style-type: none"> <li>□ Blocks</li> <li>April Ebanks (169)</li> <li>Jenn Meglic (94)</li> <li>Mia Jaramillo (73)</li> </ul>
<ul style="list-style-type: none"> <li>□ Service Aces</li> <li>Marissa Gonzales (79)</li> <li>Jenni Nelsen (65)</li> <li>April Ebanks (57)</li> <li>Savannah Trakes (57)</li> </ul>	<ul style="list-style-type: none"> <li>□ ERAU/Opp. Comparison</li> <li>Kills: 1464/1230</li> <li>Hitting %: .163/.125</li> <li>Aces: 366/211</li> <li>Blocks: 285/190.5</li> </ul>

## THE ALL-ERAU TEAM:



**Jenni Nelsen**  
Outside Hitter  
2005-Present

522 kills  
614 digs

No one shows as much spunk on the court as Nelsen does. Nobody. She never hesitates to throw her body in an effort to dig.



**Marissa Gonzales**  
Setter  
2005-Present

2,452 assists

This two-time all-FSC setter has already become only the third Eagle to reach 2,000 assists and is also threatening the record for aces.



**Sue Delahanty**  
Middle Blocker  
2001-2004

1,514 kills  
361 blocks

ERAU's all-time kill leader also holds the records for total blocks and block assists.



**Brooke Geiger**  
Defensive Specialist  
2000-2003

3,381 assists  
1,722 digs

This setter-turned-libero holds the records for aces (202) and assists.



**Sandra Mora**  
Outside Hitter  
2002-2003

691 kills  
.262 Hit Percentage

Alas, we only had her for two years. But in those two years, she could hit - the 2003 offense blasted 1,706 kills past their opponents.



**Janelle Marinos**  
Outside Hitter  
2005-Present

691 kills  
.261 Hit Percentage

No, it's not a typo. The 2005 FSC Player of the Year has similar stats, but here's the kicker - she did that in one season.

The Avion will conclude its All-ERAU Teams for the fall sports next week with men's soccer, so make sure to pick up next week's edition, sports fans!

## Basketball beats Florida College again, 109-91



**RYAN EXTER SCORED 22** points - several of them on breakaways - to lead the Eagle offense in their 109-91 victory over Florida College. The Eagles had beaten them earlier in the season 91-76.

Jaime Joss  
ERAU Sports Info. Dept.

DAYTONA BEACH, Fla. — Six players scored in double-figures led by 22 from Ryan Exter to lead the No. 5 Embry-Riddle University men's basketball team to a 109-91 victory against Florida College Saturday night from the ICI Center.

The Eagles led 50-44 at halftime, but exploded for 59 points in the second half on 60.6 percent shooting and limited Florida College to 36.6 from the floor.

The Embry-Riddle bench scored 38 points, led by 17 from Houston Wright and 16 from Denny Joseph. Both played 18 minutes apiece with Wright converting 6-for-10 from the floor. Joseph was 7-for-11 from the field with five boards.

Nick Miller pushed the Eagles out to the halftime advantage with 11 points on 5-for-7 shooting and finished the night with 15 points and eight rebounds. Denver Cobb finished with 19 points (four threes and 7-of-10 from the charity stripe) and Tyler DeBord added 13 points, seven boards and four blocked shots.

Adam Thompson led the way for Florida College with 25 points, Stanley Kelley added 17 points and 10 boards, while Peter Alexandrou and Casey Lowe added 16 and 13, respectively.

Florida College led 29-23 at the 9:22 mark of the first half, but ERAU went on a 16-2 run to take a 39-31 advantage and never looked back.

The Eagles played Covenant College (Ga.) on Monday, but the game ended too late to make this edition.

### NAIA Top 10

1. Ozarks
2. Huntington
3. Evangel
4. Oregon Tech
5. Embry-Riddle
6. MidAmerica Nazarene
7. Walsh
8. Sioux Falls
9. Holy Names
10. Mayville State

Next Rating: Dec. 1

Next ERAU Home Game: Saturday Nov. 18 vs. Macalaster 3 p.m. in the ICI Center



**TYLER DeBORD LOGGED 13** points, seven rebounds and four blocks to the Eagle effort Saturday night. He's currently third on the Eagles with 55 points.

## Men's golf takes fourth at Stetson



**AFTER FINISHING IN SEVENTH** place after the first day of the Stetson Invitational, the Eagles golf team rallied to finish tied for fourth with Florida Atlantic University.

Jamie Joss  
ERAU Sports Info. Dept.

DELAND, Fla. — The Embry-Riddle University men's golf team vaulted three spots in the final round to finish in a tie for fourth with Florida Atlantic University in a strong NCAA Division I field at the Stetson Invitational held at Victoria Hills Golf Club Tuesday morning.

The Eagles posted a 298 team total (the third lowest of the day and the fifth-best for the entire 54-hole event) and finished with a 917 tournament total. Kennesaw State (Ga.) captured the event with an impressive 899 team total. Bethune-Cookman was second at 905 and tournament host Stetson was third at 915.

"We had an extremely determined and focused performance today, finishing fourth out of nine at a really good Division I event," ERAU head coach Maria Lopez said. "Very satisfied to see some improvement and end the fall on a positive note as we head into the winter."

The Eagles were paced by senior Nathan Hellwege, who finished tied for fifth individually with a 223 total (76-73-74=223), while his brother Stephen posted a top-15 finish sharing 11th at 225 (74-78-73=225). "I am really fired up about

Nathan's performance," Lopez added. "He has played so determined all year and he know's how competitive it is to be in the top five all year. He wants to end his senior year on a strong note and he is doing it."

"Stephen played probably the most patient tournament I have seen him play and it was good to see the twins battling it out with each other," Lopez added.

Former Father Lopez standout Thomas Miller battled back with a 73 in the final round to share 24th at 234 (84-77-73=234).

"Thomas had a great comeback playing through sickness and showed the type of mental toughness he is capable of and what our team needs to have in the spring," Lopez said.

Joe Paolini posted a 27th-place effort with 237 total (79-80-78=237) and Andy Castro finished 37th at 245 (82-83-80=245) to round out the Eagle scorers.

"Great grinding by Andy and Joe. They really struggled with the playability of some shots, but never backed own and seized as many opportunities as they could and showed the heart we need to have for the spring," Lopez commented.

This wraps up the Eagles fall season, and they will head into intense winter conditioning before hitting the links once again in February

### INTRAMURAL SPORTS NEWS

#### Fall Intramural Winners

- 7-on-7 Football: Supa Seniors
- 3-on-3 Basketball: AE Fire
- Volleyball: Changos
- Softball: Organized Crime
- Dodgeball: Sigma Alpha
- 5K Run/Walk: Women's Tennis

#### Upcoming Events

- Soccer Tournament Captain's Meeting Monday, Nov. 27 at 7 p.m. in the ICI Center.
- Tournament: Wed. Nov. 29 - Sun. Dec. 3.
- Contact Camille Jackson for more information at [Camille.Jackson@erau.edu](mailto:Camille.Jackson@erau.edu) or (386) 226-6431.

### CORRECTIONS

In last week's edition, the basketball team was erroneously billed in a headline as being ranked third in the NAIA. They are ranked fifth. Also in last week's edition, a typo appeared in the volleyball article. Marissa Gonzales had 36 assists in the match against SCAD.

## AROUND THE FSC

### WOMEN'S SOCCER

Northwood (16-0 overall, 5-0 FSC) will be competing in the NAIA National Championship tournament this week in Olathe, Kan. The Seahawks beat SCAD (11-5 overall, 4-1 FSC) in the Region XIV finale. The No. 15 seed, they will take on Morningside (Iowa) at 3 p.m. tomorrow. Morningside is seeded 16th.

### MEN'S BASKETBALL

Northwood (0-1) played its inaugural intercollegiate basketball game on Saturday against the Villanova Wildcats. The Wildcats won 97-60.

SCAD's (3-2) three-game winning streak was snapped by Emmanuel on Saturday. Jonathan Womack's 23 points led the Lions to an 83-65 victory.

### WOMEN'S BASKETBALL

SCAD (1-5) dropped its fourth straight, losing to No. 19 Mobile 84-62.

Webber International (1-0) kicked off its season with a 67-61 win against St. Petersburg.

## All-FSC, All-Region teams announced

Abe Osheyack  
ERAU Sports Info. Dept.

SAVANNAH, Ga. Northwood's Lene Bjerkeli and John Webb were named Florida Sun Conference Player and Coach of the Year, respectively at the Region XIV women's soccer banquet at the Pirates House Thursday evening.

Webb led his Seahawks to a 14-0 regular season and the top seed in the Region XIV tournament. Bjerkeli, a native of Stavem, Norway, led the league in scoring (21-11-53).

SCAD's Melissa Feuerriegel was named Conference Newcomer of the Year. The Queensland, Australia native was second on the team in scoring (12-3-27). Teammate Kelly

Quinn was named Fair Play Player of the Year. Northwood led the way with six players on the All-FSC first team, while Embry-Riddle placed five and SCAD two.

#### First Team

- Adi Jurman, GK, Northwood
- Jordan Luciano, D, SCAD
- Lina Karlsson, D, Northwood
- Dena Rozalsky, D, Embry-Riddle
- Britney Commander, D, Embry-Riddle
- Lindsey Evans, MF, Embry-Riddle
- Katrina Morgan, MF, Embry-Riddle
- Emelie Lindstrom, MF, Northwood
- Sofia Abrahamsson, MF, Northwood
- Lene Bjerkeli, F, Northwood
- Kelly Quinn, F, SCAD

Jessica Garcia, F, Embry-Riddle  
Katya Salguero, F, Northwood

#### Second Team

- Lisa Gallant, GK, SCAD
- Holly Davis, D, Embry-Riddle
- Nora Vartia, D, St. Thomas
- Niki Wilson, D, SCAD
- Mindy Beck, MF, SCAD
- Mallory Phillips, MF, SCAD
- Melissa Marin, MF, Northwood
- Sandra Vargas, F, St. Thomas
- Melissa Feuerriegel, F, SCAD
- Kristen Phelps, F, Embry-Riddle

#### Honorable Mention

- Tiffany Vega, D, St. Thomas
- Carly Laskowski, D, St. Thomas
- Gina Gallo, D, Warner Southern
- Cintya Aguilera, D, St. Thomas
- Lilja Sigurgeirsdottir, D, Webber

International  
Frances Brlit, MF, St. Thomas  
Jenny Simmons, MF, Webber International  
Christin Carson, MF, Webber International  
Lotta Vartia, F, St. Thomas  
Kristen Johnson, F, Webber International

#### Coach of the Year

John Webb, Northwood

#### Player of the Year

Lene Bjerkeli, Northwood

#### Newcomer of the Year

Melissa Feuerriegel, SCAD

#### Fair Play Award

Kelly Quinn, SCAD

## WOMEN'S VOLLEYBALL



**Katie Day**  
Setter  
2000-2003

2,699 assists  
1,524 digs

The player who switched positions with Geiger, Day was named an Honorable Mention All-American in her senior season.



**April Ebanks**  
Middle Blocker  
2006-Present

305 kills  
169 blocks

Ebanks has raw power. She spikes the ball, hits an opponent with it, and that opponent falls down from the force of the blow.



**Jenn Meglic**  
Middle Blocker  
2006-Present

347 kills  
.302 Hit Percentage

Meglic can sometimes be downright surgical with the ball. She may be a freshman, but she plays big league ball.



**Noela Tola**  
Outside Hitter  
2003-2004

685 kills

Tola was always in the shadow of other great hitters in her time here, but she quietly made her way onto the leaderboard nevertheless.



**Rachel Ridder**  
Defensive Specialist  
2006-Present

440 digs

Ridder, an outside hitter, transferred to the libero role when she became an Eagle, proceeding to set the single-match dig record with 37.



**Nancy Salb**  
Defensive Specialist  
2003-2005

992 digs

Salb held down the defense on three of the most offensive lineups ever fielded. She didn't get the attention, but she sure deserved some.

### About the reviewer

Jonathan Mettin took me to a volleyball game in early September, while reporting for *The Avion*. I'd known about his affinity for ERAU volleyball knowledge earlier, so I dared him to make a prediction about the game, something that I would consider tough, like final score or the like. Instead, he gave me the predicted starting lineup, the first substitution, and the first play (complete with directions the ball would go). He was right about all of the pieces he predicted, to the point where he was ahead of the player's thought processes. Freakin' hardcore, man.

-Bob Scheid, Chief Copy Editor



## Ninety-Nines mark Melbourne Intl. Airport

Mikel Fitterman  
Ninety-Nines

Last week, Embry-Riddle's Ninety-Nines joined together with other women pilots from the Daytona Beach and Titusville areas to conduct an airmarking at Melbourne International Airport. Airmarking is a tradition of the Ninety-Nines dating back to the 1930s. Ninety-Nines painted compass roses around the country as an early aid to navigation. These roses were painted both in towns and on airport surfaces, and included the name of the airport or town to help pilots identify

their location from the air. During World War II, some of the markings along the United States' coastline were covered up so the airports would not become easy targets for enemy attacks. During this weekend's airmarking, 18 women from the Embry-Riddle and Spacecoast chapters of the Ninety-Nines painted a 50-foot-wide blue and white compass rose on the surface of the airport.

The work on a compass rose actually begins about a week prior to the airmarking, when a surveyor accurately plots magnetic north. Each compass rose is designed according to Federal Aviation Regulations. On

Saturday, the Ninety-Nines drew out and painted the enormous compass rose. Beginning at 8 a.m. and lasting until 3 p.m., all the girls worked together to continue a Ninety-Nines tradition.

The Ninety-Nines is an international organization of women pilots encompassing with 5,500 members in 35 countries. Currently, the Embry-Riddle chapter has about 50 active members. General meetings are held every other Tuesday in room 254 of the COA. The next meeting will be Tuesday, Nov. 21, and is open to all women pilots of any major, including staff and faculty.



PHOTO COURTESY ERAU NINETY-NINES

THE EMBRY-RIDDLE CHAPTER of the Ninety-Nines along with other women aviators from the Titusville and Daytona Beach areas partook in the marking of Melbourne International Airport last week.

## Sigma Chi going strong

Matthew Pillon  
Sigma Chi

It has been a fast and productive semester so far for the Eta Iota chapter of Sigma Chi. Over the weekend, the annual White Rose Formal was better than ever. After a more than successful Halloween party this year, the Brotherhood Chair, Jim Labertson, went all out and made it a night to remember. He made sure that everyone had the time of their life and even arranged the rental of five town homes for the brothers to retreat to when the night was through. Dinner and dancing, was the theme

of the night and the newly elected Sigma Chi Sweetheart Heather Owen was crowned and serenaded by the brothers.

The Gamma Epsilon pledge class is doing well mostly due to some excellent "pledgeication" by our very own Belgium Brother Kevin "Dip" Rossignon. The pledges have showed noticeable improvement and have impressed the brothers more and more every day.

The Sigma Chi flag football team wrapped up their season this semester taking the Greek Championship and coming second overall. The team is evaluating their performance throughout the season and they are

already working on their weaknesses and plan to take the overall championship next year.

Sigma Chi is always looking to donate to great causes and help the needy, and this was quite apparent when we won the penny wars hosted by the lovely ladies of the Alpha Xi Delta. The brothers will be donating their winnings to the Huntsman Cancer Institute and are eagerly awaiting their home cooked meal from the sisters. As Sigma Chi continually impresses the students with their dedication to greatness, commitment to service and stunning good looks, it is apparent that we will continue striving to better ourselves every day.

## Tau Beta Pi Hon. Society

Kenny Lozeau  
Tau Beta Rho

The Tau Beta Rho Society was established at Embry-Riddle Aeronautical University during the Spring of 2005 and became active this semester, Fall 2006. The Tau Beta Rho Society is a precursor to the Tau Beta Pi National Engineering Honor Society. Tau Beta Pi was founded in 1885 to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character as undergraduates in the field of engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in the engineering colleges. After a period of three to four years the National Headquarters of

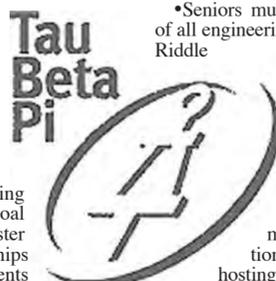
Tau Beta Pi will make the decision to raise the status of our Tau Beta Rho Society to an official Circle of the Tau Beta Pi Engineering Honor Society.

In the meantime, Tau Beta Rho is Embry-Riddle's only engineering honor society open to all of the accredited engineering disciplines. Our goal is to unite and foster working relationships between the students of various majors. The requirements to be inducted into Tau Beta Rho are as follows:

- The student must be a junior or senior enrolled in an accredited engineering major

- Juniors must be in the top eighth of all engineering students at Embry-Riddle
- Seniors must be in the top fifth of all engineering students at Embry-Riddle

An induction ceremony will be taking place in the near future. If you are a junior or senior engineer, please monitor your school email and mailbox for an invitation. Also, we will be hosting a design competition in the near future on the Flight Deck that will be free and open to all students at Embry-Riddle. Watch for posters and announcements for more information as the competition approaches.



## Embry-Riddle Model U.N.

Karima Fathi  
ERAU Model U.N.

This fall has been one of the most successful semesters in ER-MUN history. We started the semester on the right foot when our team won Outstanding Delegation at the Charleston-Savannah Model United Nations National Conference and continued our great fall performance by having 5 of our 11 delegations win a distinction.

Model United Nations is a series of programs run throughout the country and the world with the goal of furthering understanding about the United Nations, educating participants about world issues and promoting peace and the work of the United Nations through cooperation and diplomacy. The value of the Model UN experience for a student is based on what benefits a student can gain from participation. Many different kinds of talents can be developed by participation in Model UN conferences, including such skills as teamwork, expository and persuasive writing, debating, and negotiation that are important for personal development and future success. In that perspective, the team performed wonderfully and came back with an Outstanding Delegation award,

along with six individual awards. Freddy Elroza was recognized by the chair of the Security Council as an outstanding delegate for representing the Republic of France. Nick Stapleton and Levi Jordan won both Distinguished Delegate awards from the League of Arab States for representing the Kingdom of Saudi Arabia and the People of Palestine. In the North Atlantic Treaty Organisation, Archana Takhur was granted the Outstanding Delegate award for her remarkable work. In that same committee, Karima Fathi won a research award for the best position paper along with a distinguished delegate award. Dr. Glenn Dorn, ER-MUN faculty advisor mentioned, "it's always great to see our pilots and engineers compete against Political Science majors. It shows that ERAU students are as good at their hobbies as most people are in their careers." He also added, "every one of our students preformed exceptionally, and that the faculty advisors thought we probably deserved two or three more awards." In that matter, the ER-MUN team would like to mention the honorable work done by Azdren Coma in representing Syria in the League of Arab states, David Nierenberg for representing Argentina in the Security Council, Ahmed Al-Darwish for representing Congo, Joseph Tabor for

representing Peru and Sara Fouadi for representing Spain.

At the end of each session the Director and Assistant Director nominate a percentage of their committee for an award. The conference then adds up all the nominations and the schools with the highest number of nominations receive an award. This means that a majority of our members had to have been recognized several times during the conference. Everyone should be proud of what we have accomplished this week. All our hard work has paid off and hopefully we will have as much success in the Harvard National Conference held in Boston during the spring semester. As our president, Freddy Elroza, said, "I think our victory is the product of a lot of hard work and dedication from every member in the club. We have shown that Embry-Riddle is a force not only in aviation, but also in foreign affairs."

The team meets every Tuesday and Thursday at 8p.m. in LB 269 and is continuously looking for new members that can bring a new perspective. The team would like to thank the SGA, HU/SS Department, Student Activities, and President Johnson for their unwavering support of the club and their dedication to further incorporate foreign affairs and political science into the University.



PHOTO COURTESY ERAU MODEL U.N.

THE EMBRY-RIDDLE MODEL United Nations won outstanding delgation at the Charleston-Savannah Conference as well as having five out of 11 delegations winning distictions so far this semester.

## EMS club does blood pressure screenings in S.C.

Brandon Goebel  
EMS Club

This past Thursday, Embry-Riddle's Emergency Medical Services Club held a free blood pressure screening on the flight deck of the UC. Embry-Riddle's own EMTs and certified first responders provided screenings to over 30 students, faculty and staff. Participants received their blood pressure, heart

rate, and blood oxygen saturation level from a pulse oximeter. Club members also distributed information from the American Heart Association and the National Collegiate EMS Foundation. Participants were educated on high blood pressure, healthy living, when to call 911, and dorm safety.

This theme of education goes along with the EMS club's other activities, including certified first responder training and American

Heart Association basic life support (CPR and AED) certification for the healthcare provider courses, with all training provided by the club's own certified instructors. Embry-Riddle's Emergency Medical Services Club continues to certify new members and advance the training of existing members, constantly improving our operational readiness. The EMS Club meets the first and third Thursday of every month, meeting in COA 354 at 8:00 p.m.

## The Wellness Column Making time for fitness

Kevin Snyder  
Counseling Services

One of the most popular excuses for not working out is not having enough time. With 1,440 minutes in each day, it should not be hard to find 30 minutes a day for moderate physical activity, as most doctors recommend. Yet, 78 percent of Americans are not meeting basic activity level recommendations.

Why make the time? Obesity rates have reached epidemic proportions with 58 million Americans being overweight, 40 million obese and 3 million morbidly obese. Scientific studies show that being over the ideal body weight places a person at a higher risk of disease. On the other hand, being physically fit can help reduce stress, increase concentration levels, reduce the risk of heart disease and give you more energy. Maybe of more importance for a college student to participate in activity is to prevent the famous freshman 15 pound weight gain. A short amount of time spent on physical activity each day proves to be a

major investment in your health. Even people with the busiest schedules can find room for fitness. Try the following time saving fitness tips:

- **Choose activities that are convenient for you. Take the stairs instead of the elevator. Use breaks between classes to work-out at a nearby fitness center. Reading on a stationary bike is a great way to be time efficient.**

- **Take advantage of on campus recreation facilities and opportunities.** Make sure that whatever type of exercise you do fits easily into your personal and academic schedules so that you're able to stick to it. Take advantage of credited physical education courses and use of on campus recreation facilities.

- **Be social.** You may enjoy exercise as a social activity and do better with the encouragement of others. Fitness classes, fitness centers and park and recreation activities are examples. Try softball, soccer or an intramural volleyball team. Making a commitment to a team is a great motivator.

- **Plan active outings with friends.** Try beach activities such as surfing, sand volleyball, or walking/jogging in the sand. Making the activity enjoyable will help with consistency in your workout.

- **Try Strength Training.** Strength training is one of the most quick and efficient ways to better fitness. You can add muscle tone by doing two strength training sessions a week for at least 30 minutes each.

- **Plan Ahead.** Get organized. Planning ahead helps to overcome the tendency to put off the activity when the time comes to actually do it.

There is no single best way to fit exercise into your day. Your lifestyle, class load, job responsibilities, and family responsibilities often dictate the most convenient time and place. Whatever option you choose, make daily exercise a habit you keep.

For more information on fitness activities and intramural competition schedules contact the Recreation and Intramural Department located in the ICI Center. 386-226-6530.

## Student Safety Board SAFETY CONER We need to change our mindset

Ed Randel  
Student Safety Board

As many of you know, there has been an abrupt increase in landing incidents here at ERAU. It is very easy to blame the pilots involved so that we can put distance between ourselves and the incidents. The fact is, however, this can happen to any one of us if we aren't careful.

The purpose of this article is not to teach you how to land or set up an approach; instead, it will hope-

fully help you recognize an unstable approach and make you aware of the importance of going around immediately. It also bears mentioning that every accident is the result of a chain of errors. Human errors are common in any endeavor and sometimes are so small that they are seen as being insignificant. Other times, several of the seemingly insignificant errors occur simultaneously, stacking up on each other and producing an accident.

After talking with David Zwegers, Director of Aviation Safety here at

ERAU, it was clear that all of the incidents were set up by an unstable approach. The flight department has taken steps to attempt to help avoid future incidents like the ones we have recently experienced. An all I.P. meeting was called to review the importance of teaching a safe and stabilized landing approach to their students. Despite this, it is important to remember that all students must accept the responsibility of ensuring a safe flight.

It is very easy to fall into the trap of trying to salvage an unstable

approach during training because the instructor is there to tell us to go around if it gets too "bad." This can lead to a pilot who will only go around at the last second or when the words "go around" are heard. Below are some tips to help you recognize an unstable approach.

It is recommended by the FAA Safety Foundation that an approach in Visual Meteorological Condition (VMC) be stabilized by at least 500 feet AGL. A stabilized approach should include these following conditions: 1) the aircraft is on the correct flight path, 2) only minor adjustments in heading, pitch, and power are needed to maintain that flight path, 3) your airspeed is stabilized at approach speed +5/-0 knots, 4) the aircraft is in landing configuration, 5) the sink (descent) rate is stabilized at no more than 500 feet per minute, and 6) all briefings and checklists are complete. These can be summarized by saying that the aircraft track, flight path angle, and the airspeed must all be in accordance with normal operat-

ing procedures. If any one of these are not met, an immediate go around should be executed.

Some very common situations that occur on unstable approaches include flying the approach at idle because of excess speed or altitude, increasing power on short final to stretch the approach, or very steep approaches requiring a side slip well below a safe stabilization altitude.

Every day, pilots ignore these signs hoping to salvage a landing and avoid the go around. Most of the time the pilot is able to salvage the approach and safely land the airplane, but you cannot allow this normalization of deviance to occur. The first time it happens you may only be 50 feet high, but after doing that a few times, 50 feet high becomes the standard approach height.

One example of an attempt to salvage an unstable approach happened just last month in Pensacola, Fla. A student pilot, on his first solo, after one hour of landing practice with his instructor and one successful solo

landing, impacted against the trees at the departure end of the runway on his second solo landing attempt. The student was high on the approach and tried to salvage the approach. When the go around was initiated, it was too late. The pilot could not climb sufficiently, resulting in impacting the trees, but, luckily, damaging only the aircraft.

An accident such as this, as well as the recent incidents here at ERAU, must lead to a change in mindset among all pilots. The attitude must change from "we will land unless..." to a mindset of "let's be prepared to go around, and only land if the approach is stabilized and we can continue safely to the runway". This change in attitude will not only lead to a decrease in the number of incidents, but will also improve the quality of landings by all levels of pilots. Thank you for taking the time to read this article and please continue to fly safely in the future.

Guillaume Le Couteux and Jitesh Bahl contributed to this article.

Your

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AERONAUTICAL UNIVERSITY

**Student Government Association**



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## ATM and Safety forum College of Engineering

Steven Spiller

**Student Representative**

Your SGA hosted the semesterly Air Traffic Management (ATM) forum in the College of Aviation Atrium on Nov. 9, 2006 at 12:45 p.m. This year SGA student representatives and the degree program coordinators decided to combine the Safety Science program with ATM since many students take classes in both departments.

With over 15 faculty and staff on hand to address current issues and inform students of changes in the programs, students got updates from program coordinators Sid McGuirk and Clarence Rodrigues. McGuirk discussed the self-assessment of the ATM program conducted this summer as well as the FAA's future initiatives. Students

in the ATM program need to see Alice, the new receptionist for the third floor of COA, to sign up for the AT-SAT if they haven't already.

Professor Bill Coyne discussed the implementation of the new en route labs, emphasizing the advantage Riddle students will have once they get to the FAA Academy since the airspace in our lab now mirrors the Academy's. Finally, professors gave updates on the Air Traffic Control Association (ATCA) conference which they attended two weeks ago in Washington D.C.

Congratulations were extended to ERAU students Barry Hyde and Marcy Storolis for receiving ATCA scholarships. McGuirk also addressed the future of the ATM program on this campus. With its growth, the TRACON equipment is scheduled to be replaced during Summer A, and the tower lab will

replaced during Summer B. The 75 students present enjoyed pizza, chips, and drinks courtesy of the SGA.

The event concluded with Rodrigues' updates on the Safety Science program and a presentation by Richard McAdoo, a retired airline captain and Consultant for the FAA as guest speaker from the CASE Administrative Council hosted on campus Nov. 8 and 9. McAdoo discussed the integration of technology and safety into the advancement of air traffic control; his message was very well received.

We hope you will join us next semester for another successful and informative event! Please email any questions, concerns, or requests for more info on this event or any student concern issues to [dbsrb@erau.edu](mailto:dbsrb@erau.edu).

Jonathan L.S. Castillo-Reminick

**Student Representative**

As engineering students left their Lehman classrooms around 5 p.m. last Thursday, they were greeted by a collection of engineering projects and faculty in the atrium. Amongst the projects present were the ERFSEDS "Icarus" rocket, the

Women's Mini Baha "Stella," and a rather large liquid-fuelled rocket engine. Every degree also had information available, in case any students were interested in a minor in that program.

The primary goal of the program was to give students an opportunity to talk to their chairs and faculty, as well as expose them to some of the projects they can get involved

in. Because many engineering students crave hands-on work, the on-campus work is a perfect opportunity to satisfy this craving.

The students also enjoyed smoothies donated by Smoothie King and pizza from Dining Services. The help and effort from them was greatly appreciated by the College of Engineering representatives.

## COB holds student social

Carlos Williams

**Student Representative**

This past Thursday, the College of Business Student Representatives and the College of Business together hosted the Fall Business Social. Due to overwhelming participation of students and administration in attendance at last spring's 2006 Business Social, this year's Fall Social was held in the more spa-

cious Spruance Hall Atrium. The Social was a success with 55 students, the dean of the college, Dr. Daniel Petree, 20 members of the College of Business faculty, along with many members of the Student Government Association, were in attendance. The Social was created to allow students a chance to eat lunch in a casual atmosphere with their professors. This atmosphere allowed for both the students and professors to get to know each other in a setting outside of

the classroom.

Plans are being made to host another Social in the spring and as the time draws near, information will be circulated to inform all Business Students of the event.

Please contact Evan Halbhuber or Carlos Williams if you have any questions regarding the social or the College of Business. They can be reached during office hours in the SGA office or at [Evan.Halbhuber@erau.edu](mailto:Evan.Halbhuber@erau.edu) or [Carlos.Williams@erau.edu](mailto:Carlos.Williams@erau.edu).

## Housing social on Thursday

Shawn Storey

**Student Representative**

Do you live in Campus Housing? Are you interested in learning more about the new Residence Hall? Are you looking for something to do Thursday Evening? Do you like free food? If you answered yes to any of the above questions, then you are invited.

Please join your Student Government Association and your Embry-Riddle Resident Student Association for the Housing Social, taking place this Thursday, Nov.

16, at 6:30 in the evening between Doolittle and McKay Halls. There will be free BBQ and a presentation on the new Residence Hall by the President of ERRSA, Jo Soliman. The presentation will concern the layout of the rooms in the new building, who will be allowed to live there, how many rooms there are and how the construction is coming along. There will also be lots of information about both the SGA and ERRSA and the programs they are putting on. Looking for more information on the LAN parties and game nights? Come to the Social to speak with the ERRSA

Executive Board about suggestions and how you can get more involved. Looking to speak your mind about Safe Ride, interested in the Orlando Shuttle, want to know more about what your SGA is doing for you? Come on out and see your SGA Executive Board. Afterward, join us for Housing Night at the Movies. The feature movie will be "Click", starring Adam Sandler. There will be a free snack for everyone that attends (while quantities last). I hope that everyone will be able to attend, if you need more information or have any questions, you may contact me by e-mail at [storea60@erau.edu](mailto:storea60@erau.edu).

## Flight Line Satisfaction com.

Ryan Baird

**Student Representative**

This past month, the SRB reconstituted the Flight Line Satisfaction Committee. The committee consists of four flight students who are members of the Student Representative Board. We are working along with the currently standing Chairman's Advisory Council, which consists of students from every flight course offered by Embry-Riddle. We quickly laid out a set of goals we wished to accomplish; it was decided that we would attack issues one at a

time as they were brought to our attention. Currently, we are working with Frank Ayers and his advisory board along with Robert Long from the university book store to establish a small pilot shop at the Flight Line so that students can purchase updated publications, batteries, etc.

On Thursday, Nov. 9, the Flight Line Satisfaction committee along with Frank and his Advisory Council met with Mr. Long to discuss the new pilot shop. We established a monthly meeting to advise the bookstore of items needed for flight students, and set in motion the steps necessary to establish

this shop at the flight line. The meeting was very positive and we look forward to the future of this program.

If you have any suggestions or comments on things you see that need improvement, or things you see that may need to be changed, let us know. You can drop suggestions in the "Hey Frank" suggestion boxes located at the flight line, or you can come to the Student Government Association office and offer any suggestions. Finally, Frank is always cordial and receptive to students coming into his office to discuss flight training here at Embry-Riddle.

## College of Engineering Forum



PHOTO COURTESY JOHN WEAVER/STUDENT REPRESENTATIVE BOARD

JOHN WEAVER FIELDS QUESTIONS from fellow College of Engineering students at the semi-annual student forum held in the College of Engineering Atrium on Thursday, Nov. 9.

## 2006 COAS student forum

Joshua Saunders

**Student Representative**

The College of Arts and Sciences held a forum for students on Oct. 3, 2006. Although few students attended the event, those who did gained valuable information. The Student Government Representatives for the College were proud to host the event that included a speech by a NASA speaker, who also happened to be a proud member of our alumni. The highlight to the evening was a panel discussion with University

President Dr. John Johnson, Chief Business Officer Bob Jost, College Dean Rodney Piercey, and SGA Representative Craig Benjamin. The panel took questions and discussed both the future of the university and current issues that ERAU faces. Dr. Johnson took time to explain his plans for reducing student debt and improving just about every facet of this university. Mr. Jost took time to discuss the campus construction as well as the university budget. Dean Piercey explained where the College of Arts and Sciences stands and what the future holds. The SGA

would like to thank all those that attended and extend a warm invitation to our next forum in the spring of 2007. For the students in the College of Arts and Science, please feel free to contact your representatives at anytime.

Student Representative for the College of Arts and Sciences Josh. Saunders [joshua.saunders@erau.edu](mailto:joshua.saunders@erau.edu)

Student Representative for the College of Arts and Sciences Craig Benjamin [craig.benjamin@erau.edu](mailto:craig.benjamin@erau.edu)

Student Representative for the College of Arts and Sciences Scott, Haeffelin [scott.haeffelin@erau.edu](mailto:scott.haeffelin@erau.edu)

**Student Finance Board**

Applications for Spring 2007:

- Pick them up in SGA office
- Due Tuesday November 21
- Any questions Natalie Anaya at [sgatres@erau.edu](mailto:sgatres@erau.edu)

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## Student-run charity needs help

As a junior at Embry-Riddle, I have had the privilege of living and working in the Daytona area for over two years now. Last summer, while waiting tables in Port Orange, I noticed a substantial number of elderly customers coming in to eat everyday. I discovered that the majority of our restaurant guests had diabetes. Despite their conditions, they would consistently make poor food choices by choosing foods with high sugar content that would surely throw their insulin balance off.

I am not a doctor, but I understand the basics of a healthy diet for diabetics. My family has a history of diabetes. Both my father and grandfather have type 2 diabetes (adult onset), and my grandmother passed away from type 1 diabetes (juvenile onset). I have seen the effects of this disease first hand including blindness, stroke, limb loss, and even congestive heart failure. Fortunately, many of these symptoms are avoidable if the patients take care of what they put into their body.

My father and grandfather have not had many problems with their diabetes because they monitor their blood sugar levels and pay attention to what they eat. They were fortunate to have been educated by my

grandmother.

Many diabetics, especially in the Daytona area, are not as fortunate. According to the Florida Dept. of Health, diabetes in Volusia County has claimed an average of nearly 200 lives per year. There have also been, an average of 13,000 hospitalizations due to diabetes in Volusia County each year. These patients could be living healthier lives with a little bit of education and a consult with a dietitian. The Halifax Medical Center actually has a four week informational program in place taught by a registered nurse and a dietitian. This program is not widely known and requires a fee, which discourages most local diabetics from attending. If this program had sufficient funding to reduce the cost and increase publicity, local diabetics could be living healthier, longer lives.

In an effort to help, I have created the Patricia Manzo Diabetes Foundation (PaMDiF). Named after my late Grandmother Manzo, this charity is working with the Halifax Medical Center to eliminate the cost of their diabetes education program. PaMDiF will also be writing grants for diabetes research done by Universities in Florida. With the

help of this charity, local diabetics will have the tools needed to live healthier, fuller lives.

PaMDiF will be generating revenue in several ways. A free weekly publication will be placed in restaurants, doctors' offices, and other waiting rooms. This publication will include interesting stories, fun facts, and articles about diabetes. Revenue will be generated by selling ads to local businesses. PaMDiF will also be involved in fundraising that promotes a healthy, diabetic friendly lifestyle, such as 5k races and diabetic-friendly dinners.

PaMDiF is looking for volunteers who would like to get involved and give back to their community. We need creative people to help write articles for the publication, head fundraising committees, and volunteer at fundraisers. A small donation of your time will make a big difference in our community. If you are interested in being part of a good cause, or would like to learn more, please attend the informational meeting Thursday, Nov. 16, at 6:00 P.M. in W309. If you have any questions, please contact: Joe Manzo at [manzoe50@erau.edu](mailto:manzoe50@erau.edu) or call (386) 341-3663. Thank you.

~Joe Manzo

## Stand Up!

### The election day olive branch - it burns so soon

Well, it happened, the democrats took Congress to the surprise of some and the joy of many. And, of course, the following day there was the obligatory, "We are ready to work with (insert party here) for the next two years." Bush and soon-to-be Speaker of the House Nancy Pelosi both seemed so excited to be working with each other. But, we all know what is really going to happen.

For the last five years, the republicans have appeared to have not even recognized the democrats' existence, and the democrats have tried everything they can to stop republican rail-roading. Now, do you actually think they will get anything done with a lame-duck President and two parties that seem to hate each other? That will be the question over the next two years, and I think it will be interesting.

Alright, I'm ending the angry

pessimist mode. The next two years should be incredibly interesting. There are already bills being written that will reinstate the Inspector General for Iraqi reconstruction, give more oversight to agencies across the board, give back some of the rights taken away by the Military Commissions Act and try to reel in special interest influence. The last point will be the most interesting. Pelosi has a giant ethics bill she is preparing to bring to the floor next year that would set some tough ground rules. There will be no gifts, no free travel, no lobbyists near the Congressional chambers or gym (I know it's weird, but it does exist), no earmarks in unrelated bills, and all bills would have to be presented to the public 24 hours before the vote is held. If the bill passes in this form, it would be an ethical spark to a corrupt organization. And, if either party tries to

vote against the bill, they would be labeled as a party which embraces corruption.

The final provision of the bill goes along with the democrats' pledge to bring back Congressional oversight. The Office of Public Integrity would be in charge of investigating any violations of the bill and instead of reporting to Congress, it would report directly to the U.S. Attorney's office. OMGWTF! This bill better pass, and if it does not, there should be a riot.

The most important thing to remember about these elections is holding the new controlling party to scrutiny. They still have to earn their positions, and if they do not they should be ridiculed the same as the republicans have been. If the tide of change the democrats are riding simply ebbs away in two years, then all of the possibilities are ruined. If the tide becomes a current and the government is turned around, this could be an excellent two years.



Chris Tezak  
Columnist

## Student Forum

The Avion asks: "What game you would play on 'The Price Is Right'?"

—Compiled by Fitzgerald Madu



Daniel Pike  
Freshman  
Aeronautical Science

"Plinko"



Tom Quigley  
Freshman  
Aeronautical Science

"Plinko"



Travis Marshall  
Freshman  
Aviation Business Admin.

"Triple Play"



Joanna Johnson  
Sophomore  
Engineering Physics

"The pricing game"



Kelly Maloney  
Freshman  
Aeronautical Science

"Putt Putt"



N. Felia & J. Covey  
Freshmen  
Applied Met./Aero Sci.

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# Democrats look to '95 as they plan for '08

## Democrats looking to learn from mistakes

Jonathan Weisman  
The Washington Post

Democrats preparing to take control of Congress for the first time in over a decade are looking to the Republican revolution of 1995 as an object lesson of what to emulate and what to avoid. They hope to match the legislative energy of the Newt Gingrich era while avoiding at all costs the partisan pitfalls that eventually soured voters on the GOP.

The Democratic Party of 2007 will look significantly different from the party that was swept from power 12 years ago. The old-guard liberals and union Democrats in control then are losing power to a new generation of moderates with more temperate legislative ambitions.

Democrats last week picked up six seats in the Senate and at least 28 seats in the House en route to victory. Eleven of those House districts were solidly Republican in the 2004 presidential election, while new Democratic senators from Montana, Missouri, Virginia and Ohio will have to be mindful of their traditionally Republican constituents.

Led by a feisty Nevada senator and the first woman in history to claim the House speaker's post, the long-banished Democrats hope to prove their bona fides as lawmakers and challenge a president from the other party to accept their agenda, a game plan taken straight from the Gingrich era's "Contract with America." They also intend to challenge President Bush to change course in Iraq and consider their demands for a timetable for withdrawing U.S. troops.

But Democrats say they will avoid the overreaching, arrogance and rancorous partisanship that left them virtually powerless on Capitol Hill and spawned an era of political corruption and influence-peddling. Democratic leaders vowed last week to pass major ethics reforms early in the new 110th Congress, and to offer Republicans seats at the negotiating table and ample opportunities to amend bills on the floor - opportunities that were denied their party.

"What they did was very effective in pulling up all the ladders for any other party to gain the majority," incoming House Speaker Nancy Pelosi, D-Calif., said last week of the Gingrich revolutionaries. "They just shut the doors to debate on the floor, to amendments coming, to even how special order (speeches) were conducted. Everything they were effective in using to gain the majority they shut down."

"We're going to do the opposite," she pledged. "This country has spoken loudly and clearly," Sen. Harry Reid, D-Nev., slated to become the new Senate majority leader in January, told a Capitol Hill rally last week. "There must be a change of direction

in Iraq. We have to have results in doing something to make health care more affordable and more available. We have to do something to create energy independence."

Democratic leaders have put forward an ambitious opening salvo for January, a 100-hour legislative blitz that includes raising the minimum wage, boosting alternative-energy research and repealing tax breaks for oil companies. They also want to beef up seaport screening, expand college tuition assistance, boost federal stem cell research and allow the federal government to negotiate lower drug prices under Medicare.

Beyond those tasks, House Democrats hope to approve rules changes to limit the influence of lobbyists, offer minority Republicans more input on legislation, curb home-state pet projects in spending bills and, possibly, give the District of Columbia voting rights on the House floor.

But once the 100 hours or so pass, pressure will mount on Democrats to confront what many liberals see as the misdeeds of Bush and the Republican Party. The party's base is clamoring for Democrats to repeal tax cuts skewed to the affluent, to revisit the new law authorizing military tribunals for terrorism suspects and to investigate the run-up to the Iraq invasion.

To some Democrats, that raises memories of the aggressive - and ultimately self-destructive - stance that House Republicans took when they stormed to power in the 1994 election and later voted to impeach President Bill Clinton, only to see Clinton acquitted in the Senate.

"They're under great pressure to placate the base, to be hard-line and in some ways to pay back the Republicans," said former senator Tom Daschle of South Dakota, the last Democratic Senate majority leader. "But they're also under tremendous pressure to produce and show they can govern. Finding the balance, that's going to be the big challenge."

"It's one thing to oppose and obstruct. It's another to try to govern and legislate," said Sen. Olympia J. Snowe (Maine), a moderate Republican who is urging bipartisan cooperation. "How they set in gear the motions for governing and legislating will clearly set the tone for the duration."

The ranks of the new Democratic leadership will include Reid, who once called Bush a "loser" and a "liar"; Pelosi, who bitterly remembers the power shift to the Republicans; and a new Democratic Caucus chairman, Rahm Emanuel (Ill.), who confronted Gingrich's revolution as an aide in the Clinton White House.

"Newt ran in and said, 'I'm basically the prime minister.'" Emanuel recalled. "We didn't do that. Nancy said we won an election. The president won an election. We have to respect the results of both 2004 and 2006."

Sen. Charles E. Schumer of New York, the chairman of the Democratic Senatorial Campaign Committee, agreed: "We should always be mindful that there was a little bit of God and a lot of bit of luck here. A 4,000-vote shift and we would have four new senators, not the U.S. Senate."

"If all voters see is interest-group politics and 'a lot of shouting,'" Schumer added, "our victory could be ephemeral ... more ephemeral than Gingrich's one was. Everyone has to be cognizant of the fact that keeping the majority helps all of us achieve far more of our goals than if we undermine it."

But there are limits to such sentiments. In the 1990s, Republicans shifted the number of committee seats allotted to the majority and minority parties to virtually ensure that no cross-party collaboration would be needed to draft and pass legislation. When asked whether she might change those ratios as a goodwill gesture, Pelosi last week snapped, "I don't see a scenario where there is going to be much appetite for that."

And regardless of leaders' intent, conservative Democrats worry that Democratic old bulls, returning to chair committees after so long in the minority, could drive a partisan agenda. Rep. George Miller, D-Calif., at the helm of the education panel, and Rep. John Conyers Jr., D-Mich., as chairman of the Judiciary Committee, may be too quick to pick fights before Democrats can cement their gains.

"We increased our market share by going where the market was, to moderate, even Republican districts," said Rep. John S. Tanner (Tenn.), a leader of the conservative Blue Dog Democrats, which has grown to become one of the largest House Democratic factions. "If we're going to hold and consolidate that, we have to understand the reality that the face of the Democratic Caucus has changed from where it was in late '80s and early '90s."

Similar dynamics may be at play in the Senate, where Democrats will hold a one-vote majority. The incoming class of senators includes two economic populists in Reps. Sherrod Brown, D-Ohio, and Bernard Sanders, I-Vt., a classic centrist with a slender mandate in Claire McCaskill, D-Mo., and a cantankerous conservative in Jim Webb, D-Va. "It's going to be an interesting year," quipped one Senate Democratic leadership aide.

Once Democrats have exhausted the consensus "6 for '06" agenda, they will have to decide whether they need to become more ambitious - balancing the budget, overhauling immigration policy, or tackling problems of poverty and the uninsured, for instance - or focus on the nuts and bolts of governance to prove competence ahead of the 2008 campaign.

Schumer said they do: "'Six for '06' is enough to establish a beachhead, but it's not enough for '08."

# Worried Nigerians urge better airline safety

## Frequent crashes prompt citizens to call for change

Craig Timberg  
The Washington Post

Nigerians long reveled in their freewheeling aviation culture, swapping stories about seeing cows on runways or dashing frantically onto tarmacs 30 minutes after official takeoff times, and still being allowed on flights.

But three fatal accidents in the past year, culminating with the Oct. 29 crash of a Boeing 737 moments after takeoff, have terrified travelers and fueled calls for a new focus on airline safety in a country where the highways are even more dangerous.

"Flying by air, your heart is in your mouth," said Mimi Anomougharan, 27, a student sitting in Abuja's Nnamdi Azikiwe Airport on Friday. "Plane crashes in Nigeria have become too rampant. ... Too many people have died."

Anomougharan had just arrived in Abuja, Nigeria's capital, from the southern city of Benin, after spending most of the hour-long flight muttering prayers, she said. When the plane hit a patch of rough air, another passenger cried out for God's mercy. "It was terrible," she said.

Nigeria is Africa's most populous country, with 130 million people jammed in an area twice the size of California. The vast majority of Nigerians lack the money to fly, but government officials, business executives, students and professionals have for years moved easily about the country, paying about \$80 each way for flights to more than a dozen commercial airports.

Advance bookings rarely were necessary, or possible, and planes often waited on tarmacs until enough passengers arrived to fill available seats. Security was lax, and if the planes often looked past their prime, the skies at least were free of the armed robbers, giant potholes and bribe-hungry police common on many Nigerian highways.

"My nervousness is worse on the road," Abayomi Awe, 53, a physician with the federal Health



CRAIG TIMBERG/THE WASHINGTON POST

Ministry, said as he waited for a flight from Abuja to Lagos, Nigeria's commercial center. "You have to choose between the two evils. This one is the lesser one."

The Lagos-Abuja air route has long been an especially essential artery for Nigeria, with some civil servants making the trip almost every week. Many of the country's potpourri of airlines fly the route several times a day.

A Boeing 737 on a Lagos-Abuja run, Bellview Flight 210, crashed on Oct. 22, 2005, the first in the spate of accidents. Seven weeks later, a DC-9 owned by Sosoliso Airlines crashed in Port Harcourt in the southern oil-producing region. Dozens of high school students returning home for Christmas holidays were among those killed.

Yet the Oct. 29 crash may have been the most unsettling to many here: Several prominent Nigerians, including two senators and the sultan of Sokoto, the spiritual leader of the country's estimated 65 million Muslims, were among the victims.

On Friday, the tail of the Boeing 737, with the insignia of its owner, ADC Airlines, clearly visible - still sat propped against a tree in the cornfield where the plane had plunged to the ground. Old shoes, juice boxes and torn pieces of clothing remained scattered among charred, mangled engine parts and an intact wheel from the landing gear. A burnt smell lingered in the air.

Altogether, the three accidents killed more than 320 people.

President Olusegun Obasanjo this week grounded ADC Airlines and replaced his aviation minister. But criticism of the government has not eased, with many Nigerians

contending that corruption allowed airlines to skimp on maintenance. Others said they suspected that inspections have not been nearly rigorous enough.

"The government has to be serious on the regulatory role," Awe said. "They haven't been doing enough."

With faith in the airlines and in the government running low, many travelers have turned to prayer.

"I'm very nervous," said Nnenna Mazi, 21, as she waited in the Abuja airport, midpoint in her trip from Kano, a northern city where she has been participating in the national youth service program, to her home in Port Harcourt. "I had to start praying about the flights like two days before I took off."

The rash of accidents also has driven customers to airlines regarded as safer, including Virgin Nigeria Airways, owned in part by the British-based Virgin Atlantic, and AeroContractors, a decades-old airline that predominantly served Nigeria's oil industry before expanding into general commercial service. A new airline, Arik Air, started flying on Monday, boasting of new jets and "European safety standards."

Arik Air is following the lead of Virgin Nigeria and Aero in enforcing rules against late passengers. Though aviation experts say such orderliness is essential to running safe airlines, the development is jarring to many travelers here.

Pius Agbude, 42, a banker from Lagos, said he arrived 15 minutes before his 12:30 p.m. Arik Air flight was scheduled to take off on Friday. Airline officials turned him away. The message was delivered a bit rudely, he said, but he respected the importance of rules. As he waited for a 4:30 flight on the same airline, Agbude said he would fly Arik again.

"That has taught me a lesson," he said. "It's not going to be business as usual."

Other passengers were not so eager to wait. Awe, who said he averages eight flights a month, at first wanted to take Virgin Nigeria to Lagos, but it was booked for the rest of the day. He considered Arik, but its next available flight would have required three hours of waiting in the Abuja airport. Awe instead chose an earlier flight on Bellview.

The decision left him nervous. And, shortly before the flight, Awe's daughter called on his cell-phone, inquiring if he was going to make it back to Lagos for the weekend.

"By the grace of God," he told her, "I will still come."

# Security concerns have changed how schools are being built

Lori Aratani

The Washington Post

Principal James Koutsos has an expansive view from his front office at suburban Clarksburg High School: the parking lot, front entrance and, with just a few steps, the hallway that funnels 960 students to class each day. The new \$52 million building is energy efficient and aesthetically pleasing.



LORI ARATANANI/THE WASHINGTON POST

A NEW SCHOOL IN Colorado has been built with security in mind.

It was also designed with security in mind.

The placement of the office makes it difficult for visitors to slip into the building unnoticed. The open stairwell in the front hall, visible from the window of the security team leader's office, makes it easier to keep an eye on students.

It is a legacy of the 1999 shootings at Columbine High School, which left 15 people dead and altered the idea of school as a safe place. In

an increasing number of schools, security drives decisions about everything from where to place the principal's office to what kinds of locks and windows are selected.

"Twenty years ago, there just weren't these things to worry about," said Joel Sims, an architect who specializes in school design.

Although school shootings are relatively rare, a spate of violent incidents in Colorado, Wisconsin and Pennsylvania in the past few months has renewed discussion about what is being done to keep students safe. Last month, President Bush convened a school safety summit in suburban Chevy Chase, Md.

In the post-Columbine era, schools have devoted resources to fostering a more welcoming environment for students: establishing anti-bullying programs, setting up anonymous tip lines and beefing up counseling staff as a means of reaching out to kids who might feel isolated or alienated from their peers. School safety experts agree that is a wise investment. Kids who feel a sense of belonging are less likely to act out, some say, and those who have good relationships with teachers and administrators are more likely to report a problem.

But educators have found that more must be done. In two of the

three most recent school violence incidents, it was a stranger, not a student, doing the shooting.

In Colorado, Gov. Bill Owens, R, said security features added during the 2001 renovation of Platte Canyon High School allowed officials to quickly isolate a gunman who entered the school in September and prevent him from harming more students. Duane Morrison took six students hostage before killing one and committing suicide.

Architects who design schools say much can be done to improve security. There was a time when the principal's office would be upstairs in the middle of a wing of classrooms. The idea was to make the administrator's office the "hub" of the school, said Paul Abramson, a school facilities consultant with Stanton, Leggett and Associates in New York.

"Today we would not do that," he said. "One of the things that has become a touchstone of all design is you now put the office right up front so you can't easily get through without going through there."

Architect Sims has created a smart schools design initiative that includes eliminating dead-end hallways, nooks and crannies. It also incorporates glass into the design to give a sense of openness and convey the message that people are

watching.

"It's a huge challenge for architects to take security into account and to provide something that doesn't look like you're walking into a prison," said Kerry Leonard, chairman of the American Institute of Architects committee on architecture and education. Advances in technology, however, make it easier for features such as metal detectors to be built directly into walls or to place surveillance cameras in ceilings, he said.

"There's no fail-safe, 100 percent method," said Wayne Byard, spokesman for the suburban Loudoun County, Va., public school system. "But the human element is the biggest part. You have to keep your eyes open."

Byard said it is not just Loudoun's new campuses that boast upgraded safety features. The system also has renovated some of its 1970s-era schools to improve previously blocked sightlines and to enclose walkways.

At Clarksburg High, in Clarksburg, Md., visitors go through a central entrance that takes them by the main office. If they ignore the sign that asks them to check in, staff members need only look through the bank of windows to monitor comings and goings.

"We're trying to balance friendliness with being safe," Koutsos said.

Anyone slipping by the main office stands a good chance of being spotted by the security team leader, whose giant office window looks out in the main hallway. Long hallways are designed for smooth traffic flow but also so they can be easily monitored by staff posted in strategic locations. Doors throughout the building allow people to leave but not enter the school.

Some architects even have rethought bathroom design. At Great Seneca Creek Elementary in suburban Germantown, Md., boys and girls rooms are back-to-back, with sinks in a space outside the bathrooms. A teacher standing in the hallway can see into both restrooms without compromising students' privacy.

But attention spans are short, and architects say it is important that the conversation about school safety continues after headlines about the incidents in Pennsylvania and Colorado have faded.

"Part of my concern is that there's never enough," Sims said. "There are a lot of schools that should be commended, but a lot of existing schools need money to be put into them to make them right. It's not that complex."

## Blue Angels celebrate their 60th anniversary

Andrew Striker  
Staff Reporter

Nov. 10 marked the 60th anniversary of the Navy's premier flight exhibition team the Blue Angels. Dozens of former Blue Angels and thousands of spectators gathered for a reunion marked by an air show near the Blue Angels home at Pensacola Naval Air Station. The show was to demonstrate the best of the Blue Angels abilities over the past 60 years.

Formed by Chester Nimitz in 1946, the Blue Angels have traveled the world amazing audiences with their flawless aerial demonstrations. They were the world's first officially sanctioned military aero-acrobatic team. The main mission of the team is to enhance recruiting efforts and attitude towards the U.S. armed forces. The Blue Angels also served as ambassadors of peace and goodwill to other countries. In 1992, the Blue Angels deployed on a European tour for the first time in 19 years. They traveled across Europe dazzling foreign audiences with their astounding formations and aerial acrobatics.

At some points, the aircraft are a mere 13 inches apart. Such close proximity requires hundreds of hours of flight training. In the event that one of the pilots is unable to perform, the team must alter the show and perform without them. If the flight leader is grounded for any reason, the performance would be cancelled. There are no replacements or backups for the pilots. The amount of training and experience needed leaves no time to train a replacement. Another oddity of the team is their lack of G-suits during flight. The G-suits help to compensate the body with



PHOTO COURTESY UNITED STATES NAVY



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inflatable sacks of air during high G-Force maneuvers. The suits interfere with the pilots ability to move in the specially designed cockpits. Unlike combat flying, the pilots know the maneuvers that they are performing, allowing them to compensate for the high forces themselves.

The team was originally made up of three planes, but now is a group of six performance aircraft. All of their aircraft have always been painted in Navy colors: blue and gold. The many aircraft they have flown are now in many museums around the United States. In the past, the Angels

have flown aircraft such as the F8F-1 Bearcat and the F-4 Phantom. The Angels now fly older versions of the Navy's F/A-18 Hornet. These outdated versions of F-18s are becoming more outdated as the years progress. The planes now require special parts and mechanics, as the planes are now old enough that they do not even resemble the workings of their newer counterparts. The aircraft are so prone to malfunction that the group always travels with seven planes in the event that one is unable to fly.

All of the Angels practice and

training is done at their home base at Pensacola, Fla. The residents of Pensacola often see them performing or practicing over the water. Most of the residents, such as Mario and Peggy DeLuca enjoy seeing the Angels now and again. They chose the location of their house so that they were beneath the flight path often used by the team. They told the Associated Press, "Some of the neighbors complain about the noise, but that is the reason we bought our home." The couple also enjoyed the view during the bookmark performance of the 60th anniversary.

## Runways need buffers

Bob Scheid  
Chief Copy Editor

Runways taking up too LITTLE space. That's right.

Despite federal regulations, more than half of the runways in the United States do not have a required 1,000-foot safety zone at their ends, DailyBreeze.com reported last week.

The Federal Aviation Administration (FAA) released these statistics, revealing that some of the nation's busiest airports have at least one runway that does not meet this standard. Los Angeles International, Chicago's O'Hare International, and Hartsfield-Jackson in Atlanta were

all cited as examples of the 325 airports that did not meet code; (there are 573 commercial airports in the United States).

The safety buffer is designed to prevent accidents like the two in the past year. The first, on August 27, 2006, involved a Comair Jet taking off on the wrong runway, one half as long as the one intended. The second, in December 2005, saw a 737 over-run the runway at Chicago Midway under snowy conditions.

In both cases, and in the other 43 fatal runway-related crashes in the past 23 years, a safety buffer would have prevented the deaths involved. The FAA reports that it is working to enforce this standard, and it

expects to have all the airports up to code by 2015. Currently, 507 of the 1,017 U.S. commercial runways are in violation.

One proposed solution to this problem involves the use of soft concrete beds on the ends of runways. The system, called an Engineered Material Arresting System, would slow aircraft that roll off the runway and therefore reducing the casualties or damage of an incident like those described above, similar to a gravel runaway truck ramp. These have been implemented in several airports already; John F. Kennedy International Airport, for instance, reported that the system has stopped three planes in the past seven years.

## A380 orders cancelled

Matthew Smith  
Staff Reporter

On Tuesday, Nov. 7, FedEx became the first customer to outright cancel their orders for the delay stricken Airbus A380.

Originally intended to enter service in late 2006, the program has been delayed two years now, costing Airbus millions. First delivery is currently scheduled to occur in October 2008. The worldwide freight operator had an order for 10 of the super jumbos valued at \$2.85 billion at list prices. Instead, FedEx announced that it would purchase 15 Boeing 777 Freighters

valued at \$3.5 billion. They also took out options on an additional 15. FedEx's CEO Frederick W. Smith, said that "The availability and delivery timing of this air-



craft, coupled with its attractive payload range and economics, make this choice the best decision for FedEx."

Acknowledging the difference in capacity between the A380F

and the 777F, FedEx spokesman Maury Lane said "There are different capacities, but we believe that we have created advantages in more nonstop, point-to-point trans-oceanic routes that have shorter flight times but improved service offerings to FedEx customers." FedEx will receive the first 777F in 2009 along with three others. In 2010 FedEx will receive another eight followed by the last three in 2011. Airbus spokeswoman Barbara Kracht said that "Airbus regrets the decision by FedEx, but we understand their [FedEx] need to urgently address their capacity growth. We continue to believe the A380 is an excellent aircraft."



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## F-117A Nighthawk officially retired from fleet

Eamon Cullen  
Staff Reporter

The F-117A Nighthawk, a machine unanimously loved by aviation enthusiasts and the first low observable combat aircraft to traverse the skies, has officially been retired from the Air Force's fleet of aircraft. While many have known about its planned retirement for some time, the final ceremonies commemorating the aircraft took place two weeks ago at Holloman Air Force Base, the home of the 7th Fighter Squadron that operates the jet. Many of its pilots, its designers and those who worked on it attended the "Silver Stealth" get-together, a final tribute to the Nighthawk's near perfect service record, engineering triumph, and contribution to the military's war-fighting effort.

Epitomizing precision engagement technology, the strength of the "Black Jet" was its ability to slip by an enemy completely unaware of its presence and to deliver highly accurate ordnance, all while putting only one aircraft at risk. It served in an attack role throughout its career, combining

stealth technology with two 2,000-pound laser-guided, bunker-busting bombs. The Nighthawk flew its maiden combat voyages over Panama in 1989 during Operation Just Cause, but its famed display of dominance came above heavily-defended downtown Baghdad in January of 1991, when it led the first surgical strikes of the Gulf War. Only one F-117 would ever be lost in combat, when an unclear enemy action caused the aircraft to be shot down in Operation Allied Force 1999. The pilot was rescued, and the Nighthawk would perform its final combat sorties again over Baghdad in 2003, although this time limited in number.

The concept of stealth was conceived in the U.S.S.R. during the Cold War, but Russian aircraft manufacturers dismissed the idea as a tale of science fiction, focusing instead on aircraft that could evade detection and tracking by way of fast, high altitude flight. When American hands recovered the documents, however, they realized the potential of stealth technology—right angles and flat fuselage panels combined with radar-absorbent skin could, after all, yield an extremely low radar signature.

Concomitant with its creation came a level of secrecy never before seen in aircraft development, and a highly classified series of tests began at Lockheed's Skunk Works in 1975. But, it was no easy road: getting the "cockroach" to fly proved extremely difficult, and its precursor, Have Blue, performed poorly in initial flight tests at Groom Lake. It was slow, difficult to work on, and the first aircraft ever built to be unstable on all three axes, controllable only by means of a fly-by-wire system. Solely through willpower and a phenomenal feat of engineering did the F-117 become airborne on June 18, 1981, and it was adapted for combat a short time later.

Despite its glamour, the Nighthawk's time has come. Newer, more technically advanced low observable aircraft, such as the B-2 Spirit long-range bomber and the F-22 Raptor fighter, have replaced the role of the F-117. While they do not specialize in covert precision strike, those weapons platforms can now complete that mission equally as well as the Nighthawk. With a fickle Congress and fluctuating budgets, there simply is no need to keep the aircraft around any longer.



PHOTO COURTESY UNITED STATES AIR FORCE

AFTER 15 YEARS OF service, the United States Air Force has retired the F-117A Nighthawk. The decision comes as a result of other aircraft in use that can take over its duties more cost-effectively.

## Boeing makes demands on Air Force for C-17

Maciek Majewski  
Staff Reporter



MACIEK MAJEWSKI/AVION

AS THE AIR FORCE continues to delay filling an order for the C-17 aircraft, Boeing is now threatening to close the production line if the government does not commit to buying by the 2008 fiscal budget.

Boeing continues to threaten to close the C-17 production line if the government does not commit to buying the aircraft in the fiscal 2008 budget. Last year, Boeing got a slight reprieve after Congress announced \$4.3 billion in the 2007 budget for 22 C-17s, but then the Pentagon determined that it would allow the line to die in 2007, allowing the U.S. Air Force to acquire more F-22s and tankers.

Boeing is looking for a decision from the Air Force about buying 12 of these airlifters in the 2008 budget. Optimum production is 15 aircraft per year, three of which would be bought by international customers.

The next opportunity to secure an order will occur in the second 2007 supplemental budget, which is expected to be at least \$40 billion. Top defense officials are scheduled to finalize the request during this month. Otherwise, industry representatives can try for further funds in the regular 2008 budget, which will be finalized between the White House and the Pentagon by the end of the year.

According to C-17 Program Vice President Dave Bowman, the 12 C-17s needed to keep the line open would be above the requirement now established by the Pentagon through its Mobility Capability Studies (MCS). Industry officials and the Government Accountability Office have questioned the assumptions underlying the MCS, which

calls for 183 aircraft.

Onlookers suggest that the Pentagon is not realizing the need for more heavy transport aircraft in order to provide support for natural disasters, homeland security missions, and, above all, turning the Army into a U.S.-based expeditionary force. Meanwhile, Boeing insists that the commercial market can support the purchase of 40 or more BC-17s, the commercial variant of the C-17. However, these orders would not save the line past 2009, when the final C-17 now on order would be assembled.

It is not clear when the commercial orders would be placed and how they would be financed. Boeing says that it does not intend to fund the costs of FAA certification, but the Air Force is likely not to find that either.

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## Moonwalkers have challenge: deal with dust



PHOTO COURTESY NASA

**COVERED IN MOON DUST**, one of the last two men to walk on the moon, Harrison Schmitt, stands on the lunar surface in December 1972. When astronauts return to the moon in the next decade, they will have to deal with the regolith they walk in. Dust can interfere with equipment and find its way into almost anything.

### Lunar regolith proves a mere nuisance

Bob Scheid

Chief Copy Editor

As NASA prepares to send astronauts back to the moon within the next few decades, scientists are starting to consider solutions for the moon dust that pervaded everything in the Apollo missions, Space.com reported last week.

Moon dust is one of the biggest nuisances involved in lunar missions. Experiences amassed by the 12 men of Apollo to walk on the moon say that the dust sticks to everything, from dials to helmets. The dust appears to be electrically charged, and the barbed shape of the particles assists it in effectively saturating and coating everything it touches. A vacuum cleaner

for the Apollo missions specifically designed to clean up the dust clogged and jammed up.

Gene Cernan, an astronaut on the Apollo 17 mission, was quoted as saying that "one of the most aggravating, restricting facets of lunar surface is the dust and its adherence to everything no matter what kind... and its restrictive friction-like action to everything it gets on."

Jasper Halekas, a physicist from the University of California, told Space.com that the base of knowledge available is simply not enough for how big the problem could be. He argues that experimentation on the surface and in lunar orbit is called for, as well as further experimentation to determine the static and active electrical properties of the dust. "I think it would behoove us to understand the lunar dust plasma environment as well as possible before we try to come up with detailed dust mitigation strategies," he said.

Larry Taylor, director of the Planetary Geosciences Institute

in the University of Tennessee in Knoxville, has also suggested that lunar dust may pose a health hazard to astronauts in the form of floating powder. He said that astronauts all reported a smell similar to that of gunpowder when they reentered the lunar lander and had unsealed their helmets. Also, several reported eye and respiratory problems during the return trip.

Taylor has recommended that other experiments, including one to determine the chemical reactivity of dust particles of the size that may be inhaled, be carried out at some point to see what the potential problems may be. One problem that has been suggested is fine particles consisting of nanophase metallic iron interacting with hemoglobin in human blood; this may result in symptoms of oxygen deprivation.

Current ideas for helping the dust problem in lunar bases range from pressurization to large electromagnets that would capture iron-rich dust and in that way filter the atmosphere.

## Scientists clue in on helium-3 mystery

### Isotope should be more prevalent in universe

Gregory Donohue  
Guest Reporter

While the Big Bang theory continues to be studied and examined throughout the world, scientists believe they have found a vital missing piece to the perplexing puzzle we call the universe: what happened to all the helium-3 that they believe should be prevalent?

Helium-3, an isotope of helium, is a gas that scientists for years have believed to be abundant within the universe as a result of the Big Bang.

However, after many trials and observations, scientists have been left baffled as to why there was not as much as previously believed.

"The Big Bang theory predicts a certain amount of helium-3 in the universe," Professor Lattanzio of Monash University told Physorg.com in an interview.

"The trouble is low mass stars (about one to two times the size of our sun) also make helium-3 as a side product of burning the hydrogen in their cores."

After the Big Bang, the majority of the gases that made up the universe included hydrogen, helium-4 (around 10 percent), and a humble .001 percent of helium-3.

For the majority of its life

(encompassing 10 or so billion years), a star will burn hydrogen until it begins to enlarge, or become a "red giant," resulting in helium consumption.

As a result of solar winds, the dwindling star expels some of this helium in which it spreads throughout the universe.

With the vast number of stars, scientists have been curious as to why such a little amount of .001 percent was present rather than the predicted amount of .01 percent.

"It was odd that the helium-3 didn't seem to pile up," Peter Eggleton, a physicist at the Lawrence Livermore National Laboratory, said expresses in his article from *Science Express*.

After a respectable number of tests, Eggleton and his colleagues, while studying a model of a helium flash (the point in which the star is on the brink of creating a supernova) believe they have found where the astray helium-3 has been hiding all these years.

Eggleton observed that while the star approached its impending doom, in a stage known as a "core flash," the incredible instability of the star mixes the helium-3.

This causes it to be consumed into the deeper layers which results in the star burning it up and thus preventing any helium-3 from being released into the bowels of the universe.

"This apparent problem with the Big Bang has been solved," said Professor Lattanzio.

"The helium-3 in the universe comes from the Big Bang and low mass stars, although they produce helium-3, they do not release any into the universe because they destroy it."

“  
**This apparent problem with the Big Bang has been solved ...**  
”

- PROF. LATTANZIO

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## Delta 2 to launch GPS sat.

Wednesday, Nov. 15 at 2:21 p.m. EST

A Delta 2 is set to add the latest GPS satellite to the orbiting constellation, one day later than planned after a faulty pitch actuator was discovered in pre-launch testing, resulting in its replacement. Liftoff is now set to occur (as of press time Sunday), at 2:21 p.m. EST Wednesday. The launch window lasts 13 minutes. If the launch is delayed, the window would open about four minutes earlier each day.

Updates on whether the launch is still go can be found at [www.SpaceflightNow.com](http://www.SpaceflightNow.com).

### Directions to Jetty Park launch viewing pier

Take I-95 south for 55 miles to Exit 205 and go east on the Beachline (Rt. 528) towards "Canaveral: Cape-Port-AFS." After about 15 miles you will arrive at Port Canaveral's two exits. Take the second one, marked with a giant green sign that says Terminal B / South Piers. Go left off the exit ramp and follow this road (George King Blvd.), which ends at the entrance to Jetty Park. There is a \$5 cash parking fee. Walk to the very end of the 1,200-foot pier for the clearest view of launch pad 17A, 2.9 miles away.

The drive from campus to the pier is about 70 minutes, and you should leave by around noon or 12:30 p.m. at the latest to get a good spot, as the pier can get crowded.

EDITED BY BEN COOPER



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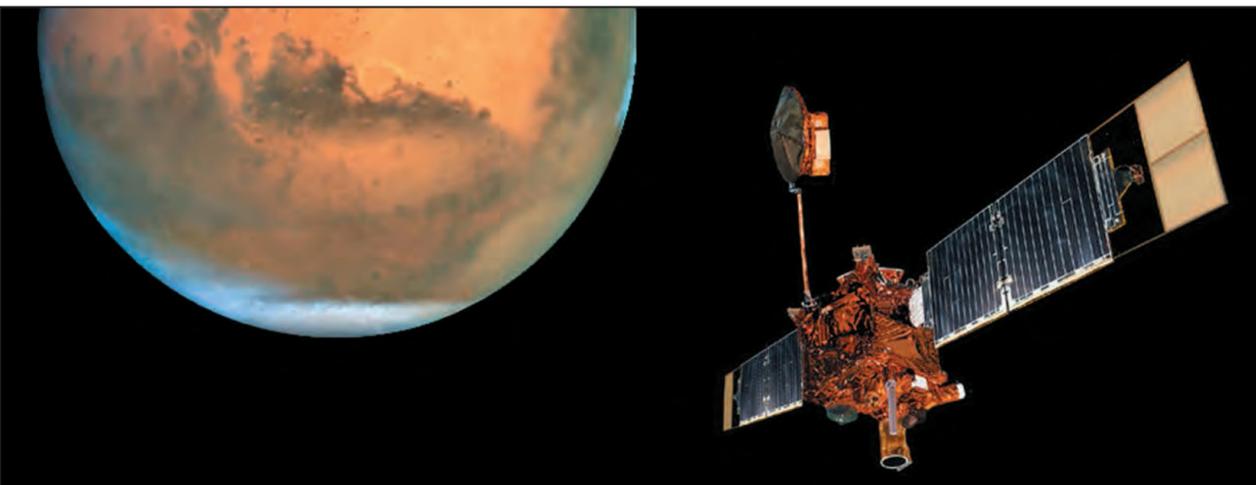


IMAGE COURTESY NASA

**AN ARTIST'S RENDITION SHOWS** Mars Global Surveyor in orbit around Mars, where it has been since 1997. The probe, the longest lasting ever sent to Mars, experienced a malfunction Nov. 2 and ceased all communications on Nov. 5. Scientists are struggling to restore communications.

Ben Cooper

Space Tech. Editor

As of press time, Mars Global Surveyor, the longest operating probe ever sent to Mars, has not been heard from since Nov. 5. The craft, which was launched 10 years ago Nov. 7, experienced a malfunction Nov. 5, NASA said in a press release issued a few days later. The mission team is striving to restore communications.

Surveyor marked America's first successful return to Mars since the 1970s when launched in 1996, though it arrived after Mars Pathfinder in 1997 despite being launched first. Designed with just a two-year lifetime, the spacecraft has survived nearly flawlessly for 10 years. The mission team at the Jet Propulsion Laboratory in Pasadena, Calif., has repeatedly been given mission extensions and funding for the hugely

successful mission.

On Nov. 2, the spacecraft experienced a severe problem indicating that a motor which drives the solar arrays was not functioning properly. No contact occurred for two straight days, followed by intermittent communications on Nov. 5. But those signals fell silent again, and the probe has been silent since.

It is possible that the probe has placed itself into a designed safe mode, and oriented itself to the sun permanently to receive power. This move can make communications with Earth hard or impossible.

If the probe remains silent, NASA may try to use the newly-arrived Mars Reconnaissance Orbiter to image the spacecraft as best it can during a 60-mile-distant close pass between the two probes next week. The images may help determine the orientation of the spacecraft.

*This is a developing story and will be followed up when more information becomes available.*

## Fastest computers could look like HAL Stars may move inward in clusters

Luca Cernuschi

Staff Reporter

Science fiction is once again turning into reality with the construction completion of what will be the fastest computer ever built.

Similar to HAL, the legendary computer featured in "2001: A Space Odyssey," the world's first space-based supercomputer is currently being designed and built by a team of researchers from both the University of Florida (UF) and Honeywell Aerospace.

The project was started in response to the requirement of a computer able to process ever-increasing amounts of data from scientific research satellites, as well as for space probes which seek to make decisions faster and with less assistance from ground-based human controllers, thereby improving the reliability and efficiency of their respective missions.

The computer, to date unnamed, will be up to 100 times faster than any other computer currently in space, and is scheduled to launch on an ST8 rocket with a NASA test

flight in early 2009.

The project is being funded by NASA through its New Millennium Program, a program designed to promote the design and testing of leading-edge technologies in orbit, as well as the Florida High Technology Corridor Council.

Contrary to popular belief, advances in computer science are not necessarily applicable to the space environment. Indeed, although Earth-based computers have seen an exponential increase in their processing ability, orbiting processors are still capped due to the shielding required to protect the machines from cosmic radiation. This implies that most of the information gathered by satellites needs to be sent back to Earth for processing.

"Usually the downlinks have very limited bandwidth. There are only so many bits per second you can send down from a satellite," John Samson, principal project investigator for Honeywell, told Azom.com. Therefore, modern satellites, which have become increasingly efficient at acquiring data, cannot be exploited to their

full potential, and hence the need for an *in situ* information processing system.

Space probes also have similar issues since they, too, have to relay data back to Earth. In this case, though, the problem is amplified by the huge distances in space, which imply a significant delay with the time it takes scientists to receive the information and act accordingly. This prevents real-time decisions from being made, and therefore the satellites are unable to monitor short-lived events.

This could change with the advent of a new supercomputer, rendering space vehicles more and more autonomous and therefore efficient. "To be autonomous is to require a lot of computation, and until now, conventional space processing technologies have been incapable of high-performance computing," Alan George, UF's principal project investigator and engineering professor, informed Azom.com.

The design team is currently testing revolutionary methods to apply to this new machine. Normally, individual components are "hard-

ened" to withstand radiation, and as such are more costly and less powerful.

UF and Honeywell are attempting to design a system able to survive the failure of certain components by being able to replace them, in a strictly computational sense. According to George, "when you know components are going to fail, you can design the system to automatically adapt and thereby mitigate the effects of that failure."

Another issue with a space-capable supercomputer is that the machine must be small and light enough to be cost-effective, while strong enough to survive the launch process. As it stands, George and his team have assembled arrays of circuit boards in a microwave-sized case. The idea is that if one board becomes inoperative for any reason, the system can switch to another one and still function efficiently.

As Samson put it, "space is a pretty tough operational environment," and this project is proving to be as full of potential as it is challenging.

Switzerland, was concentrated on 47 Tucanae, a cluster lying about 12,000 light years away and the second largest in the local galactic area.

A series of photographs taken regularly by the Hubble Space Telescope over a period of seven years monitored 130,000 of the brightest stars in the cluster. Data analysis of those stars, especially 23 stars of above average temperature and size called "blue stragglers," gave the first observed evidence of the motion of stars in the cluster following the mass segregation hypothesis.

The analysis used by the team allowed the measurement of changes in position equivalent to a hundredth the width of a Hubble pixel, and this was then used to calculate stellar velocities in the cluster. The speeds of the smaller stars were higher than those of the larger stars, an observation that agrees with the hypothesis of mass segregation.

The center of the research, carried out by Georges Meylan of the Polytechnique Federale de Lausanne in Saubervy,

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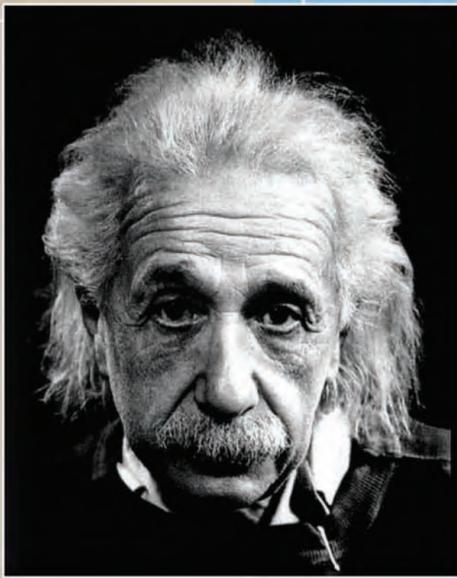
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## Ferrell plays it serious in 'Stranger than Fiction'



Stranger than Fiction



Don Macanlalay  
Staff Reporter

There's nothing stranger than having your every thought and feeling narrated to you, albeit with a better vocabulary. For Harold Crick, that was just the tip of the iceberg. How would you feel if that very same narrator informs you that you're going to die an "imminent and tragic death"? That notion would seem "Stranger than Fiction," or so the title suggests.

An oddly engaging film, "Stranger than Fiction" is a poetic story about a guy who just hasn't lived life the way he always wanted. It's a profound coming of age tale, which has just the right amount of heart and existentialism to quietly make it one of the best films of the year. This is definitely not the type of Will Ferrell film you'd come to expect, but it's one of those films that

strangely stays with you long after the credits roll.

Harold Crick is a solitary IRS agent. His almost OCD-like tendencies fill up his day with mathematical precision. For him, everyday has been the same for the past 12 years. He's almost like a government robot, going through the motions of the day without ever deviating from his schedule, until one strange Wednesday.

Will Ferrell plays Harold admirably, wearing a sweet disenchantment on his sleeve throughout much of the film. He gives Harold Crick the right melancholic nature that only a guy who needs meaning and something to live for would feel. Ferrell is funny when he needs to be and not when he wants to be. This performance calls back memories of Jim Carrey's in the "Truman Show" (which, oddly enough, was also about a man as a character in his own life).

Based on his performance in "Stranger than Fiction," I wouldn't be surprised if Will Ferrell follows in Bill Murray and Jim Carrey's footsteps. This isn't the first time Ferrell has tried a serious role, but this is the first time he pulls it off quite well. That's saying something, as he holds his own with Dustin Hoffman, Emma Thompson, Queen Latifah and Maggie Gyllenhaal (who absolutely steals every scene she's in).

From the previews, it's hard to believe that "Stranger than Fiction" isn't an over the top comedy. The acting is good and the premise and script (by first-time writer Zach Helm) are genuinely smart, but this movie isn't for everyone. It is one of those witty, offbeat movies that stray away from Ferrell's typical fan base. However, his performance and also the film itself will eventually make you laugh, cry and ultimately make you ponder: what meaning do you give to your life? Well worth the look, I recommend you go out and find out what this film means to you.

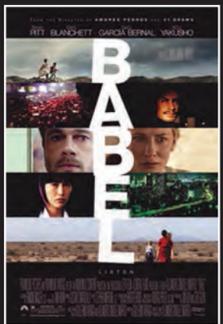


PHOTO COURTESY SONY PICTURES

## 'Babel' has intriguing elements 'The Return' is hardly a horror flick



PHOTO COURTESY PARAMOUNT VANTAGE



Babel



Don Macanlalay  
Staff Reporter

"Babel," the new film from acclaimed director Alejandro Gonzalez Inarritu is a movie that is completely unpredictable as it weaves the stories of three people on different continents, together. The title, "Babel," springs from the story about a group of people erecting a tower and who

are ultimately scattered around the earth, creating miscommunication.

After watching the film, it also suggests that the film's meaning is ironically hard to understand, but each of the individual storylines are edgy and gripping. The film was long and uneasy at times, which overall made for a demanding watch. Despite its flaws in trying to portray the grand scheme of things, I was completely moved by the performances in each of the individual scenes (Brad Pitt may get a Best Supporting Oscar nod).

"Babel" starts out when a Moroccan goat herder gives his son a rifle to shoot jackals. Stupidly deciding to shoot at cars, the youngest son fires a shot at an American tourist bus, setting off a fierce chain of events that can't be ignored. Unfortunately, an American tourist (Cate Blanchett) riding in the bus is struck by the stray bullet. Her husband (Brad Pitt) does everything in his power to keep her alive (by even taking her to a local village), but they're in the middle of nowhere and with little government intervention, there is little hope.

Their children, back in California, can't be left alone. The problem is that the nanny

must go to Mexico for her son's wedding. With no alternate available, she unwisely decides to bring them with her, along with her unreliable nephew (Gael Garcia Bernal) to Mexico for the festivities. Then, half way around the world, a deaf-mute Japanese teen coping with the recent death of her mother, disturbingly experiments with all types of getaways.

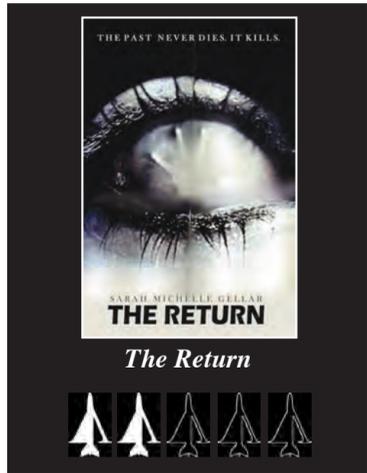
Eventually, all of the storylines slowly begin to interlock together, even through a different timeline.

This is a multifaceted movie trying to bring forth the frustration of communication when we want to be heard. In its simplest of ideas, "Babel" about several people connected with the same internal problems. However, in the end, "Babel" doesn't quite live up to the hype some people are already giving it. Those interested in movies that weave multiple storylines together such as "Crash" or "21 Grams," might want to check this film out.

Beware: as with Inarritu's previous work, there is a lot to chew on, and the performances in the movie are intense. So breathe in and get lost in a completely moving film.

“ So breathe in and get lost in a completely moving film. ”

- DON MACANLALAY



The Return



Gregory Donohue  
Guest Reporter

Rack up another tally for horror movie let downs.

"The Return" is by far one of the worst horror movies to come out of 2006. It is almost wrong to even deem it a *horror* movie because not once does the movie make you leap, nor does it once keep you interested.

Sarah Michelle Gellar ("The Grudge," "Buffy the Vampire Slayer") plays Joanna

Mills, a workaholic traveling business woman who, after many years away, returns to her home state of Texas for work. Upon her arrival, Gellar begins to have visions of her traumatic childhood, which involves a car accident, self mutilation and visions of a mysterious man who stalks her.

Through the course of the film, Gellar begins to put the pieces together as to why she is having these visions, leading her to a small working town called La Salle. While there, Gellar's visions become more frequent (yet more confusing) and she tries to solve the mystery of a young woman who was raped and killed there 15 years ago.

The Return is portrayed as a horror film, but it falls horribly short, as it is can't-wait-for-it-to-end boring. For the majority of the film Gellar just wonders around Texas in a big pick up truck trying to piece together her confusing visions and flashbacks. It is frustrating how the movie moves along and you cannot help but ask yourself when is it going to pick up and start to get interesting, or better yet, get scary. You find yourself asking the same question Gellar is: "WHAT is going on?"

When the film finally comes together in the end, it is not that satisfaction that comes together at the end of a mystery but only a sensation that makes you ask "What was the point?" or maybe "I wasted seven dollars on this putrid pile called a movie?"

When it comes down to it, "The Return" returns nothing to the horror movie genre. Fans that are still waiting for a good scare need not look here, as it is nothing but another link in the endless chain of bad horror flicks.



PHOTO COURTESY FOCUS

## Panic! At the Disco energizes the UCF Arena



PHOTOS BY MELANIE PUGH, ZACH MAHONE, COMPILED BY MELANIE PUGH

### Panic! At the Disco



Melanie Pugh

Business Manager

It was panic at the UCF Arena Wednesday night as Panic! At the Disco took to the stage Nov. 8 as part of the University of Central Florida's concert series. With a 6 p.m. start, I arrived fashionably late at 7:30, but was pleasantly surprised to catch both of the openers,

Jack's Mannequin and Bloc Party, anyway.

Jack's Mannequin, the better of the two bands, is an angst-y piano-ridden emo/indie rock band out of Los Angeles. Their sound is very reminiscent of Something Corporate, but I didn't learn until after the show that Jack's Mannequin is Something Corporate frontman Andrew McMahon's solo project. Check out 2005's *Everything in Transit*, features the likes of Motley Crue's Tommy Lee on drums.

The second opening act, Bloc Party, joined the tour from London, England and brought typically British post-punk revival sound to

the tour. Under various guises since 2002, Bloc Party has a large underground following in the United States and was met with a hearty welcome at UCF. The underlying tracks carried a unique and very likable sound, but the addition of the vocals took away from the performance. I hear the band's album is quality, so perhaps Bloc Party is simply better rehearsed. "Silent Alarm," the band's 2005 release, comes highly recommended.

Panic! At the Disco entered the stage before an anxious audience and the energy level that remained for the next hour captivated the audience for the duration of the show. Performing most of the tracks

off of the Las Vegas-based band's debut album, 2005's platinum *A Fever You Can't Sweat Out*, Panic! came fully prepared in Victorian costumes and theatrics. The elaborate cabaret set looked to have come straight out of the "I Write Sins Not Tragedies" video set.

Along with the band's unique brand of music, the entire performance came off like a stage musical rather than a rock show, which seems to break all of the "scene" rules, but delighted fans nonetheless. The act included several performers dancing and executing various stunts, as well as scantily clad Burlesque dancers that entertained throughout the show, as well

as acting as emcees between sets. Frontman Brendan Urie, 19 and the youngest member of the 21-and-under foursome, only spoke to the audience in character and to preface single "Lying Is the Most Fun a Girl Can Have Without Taking Her Clothes Off" by clarifying that it's about sex rather than love.

Panic! At the Disco formed in high school, and began by covering Blink-182 songs a mere five months before writing original tracks. The band dove headfirst into success after recording a few tracks on a laptop and posting them on the Livejournal website of Fallout Boy's bassist, Pete Wentz. After flying out to Las Vegas and watch-

ing the boys perform a cliché garage band show, Wentz signed the band to Fueled by Ramen imprint label, Decayence Records, and the rest is history. Panic! At the Disco is quick to give credit for their start to Fallout Boy, but Wentz is content to tell anyone who asks that he is jealous that Panic! wrote the sounds he wished Fallout Boy would have come up with first.

Young and on top of the world, Panic! At the Disco will be around for a long time. They bring something unique to the industry, while satirizing every aspect of it and having a ball doing so. The band claims that both their songs and videos are overplayed; I beg to differ.

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Join the Photo of the Week group on Facebook and add your photographs. *The Avion* will select one to two photographs to publish each week. If you are selected, you will be notified via e-mail. When you send your submission, it must be in at least 3.0 megapixels and in .JPG or .TIFF format. You are encouraged to submit stories or poems. All submissions must be sent to [avion.newsroom@gmail.com](mailto:avion.newsroom@gmail.com) by 5 p.m. on Friday. They must also be completely your own work. *The Avion* reserves the right to edit all submissions.

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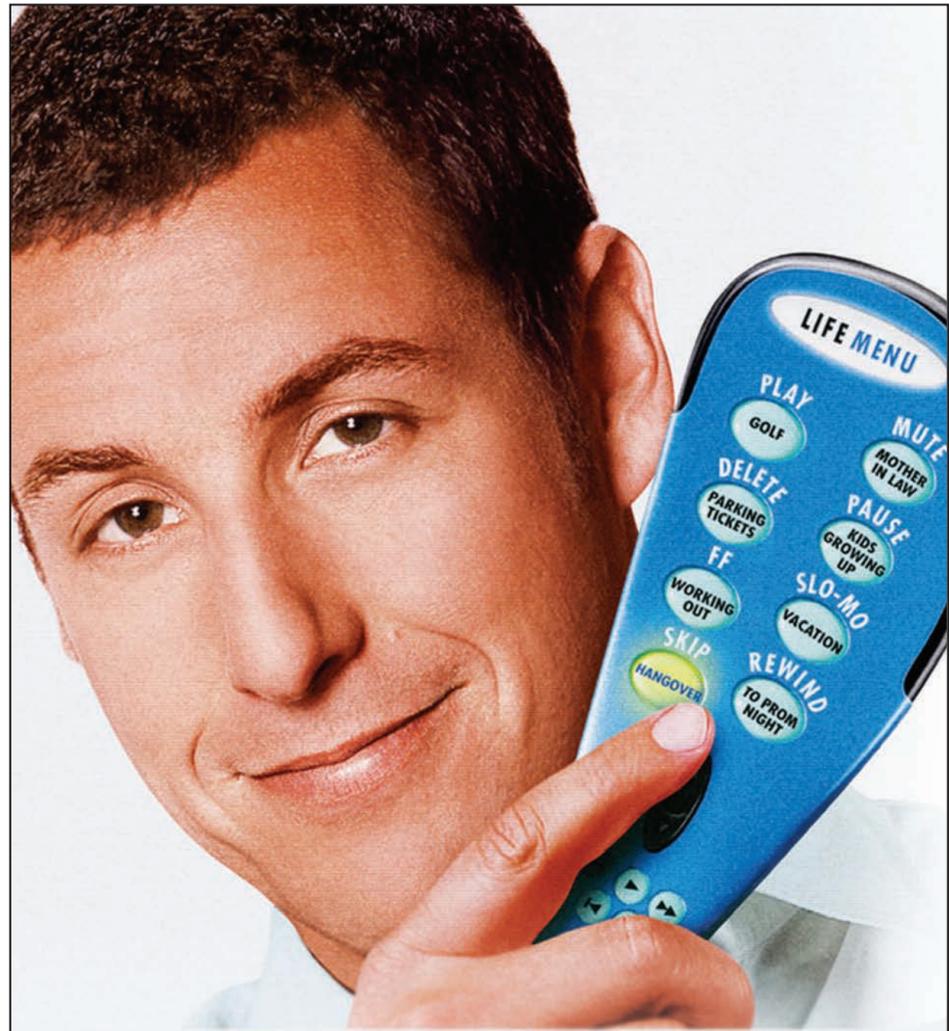
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# Ronin brings Asian fusion to Daytona Beach

Ronin



Melanie Pugh

Business Manager

This article was co-written by Photography Editor Chris Tezak.

"In Japan, under the feudal system, a Samurai who had renounced his clan or had been discharged or ostracized and had become a wanderer without a lord was known as Ronin." So reads the menu and front door of the newest hot spot to open in downtown Daytona Beach. Located just west of Beach Street on International Speedway Boulevard, Ronin brings culture to an area that seems to be by and large devoid of it.

Boasting a mix of sushi and Asian fusion, Ronin offers traditional sushi and non-traditional cuisine served tapas-style in a quaint, modern dining room. The restaurant, which also sports excellent service and what appears to be a fully loaded bar, is usually packed on weekends with guests turning to each other in awe of the dishes they lay before them.

The appetizers, brought to the menu from across the globe, feature world-class presentation and offer the alternative for those not in the

mood for sushi. Ronin Warrior Dip, a mix of melted cheeses, ground beef and salsa, is served with chips and easily rivals, if not trumps, the Mexican version. The Split Steak Ronin dish presents a unique combination of shaved sirloin steak, grilled mushrooms, onions and sprouts over jasmine rice and is sure to please even those who are not steak fans. Wrapping Thai Chicken features a delicious blend of marinated chicken paired with coconut flakes, sprouts and Thai dressing in a flour tortilla wrap. Also offered are coconut shrimp, wings, ribs, quesadillas, spring rolls, wasabi mashed potatoes, baked mussels and crab rangoons to name a few.

The menu also lays claim to three soups and a variety of salads. The soups include Crabby Asparagus, Shrimp Dumpling and a traditional Miso soup. In addition to Caesar and mixed salads, visitors will

example, the Hawaii roll consists of spicy tuna, cucumber and scallion, wrapped red tuna, white tuna, salmon scallion and masago. These are most likely the best pieces of sushi I have ever eaten, besting some fantastic offerings from restaurants in San Francisco and Chicago.

Other excellent rolls include the Dragon Skin and Ronin Armor rolls. Both show off the restaurant's excellent usage of eel and avocado in their presentations. The Dragon Skin includes crab and cucumber with a wrap of avocado and eel, while the Ronin Armor uses tempura shrimp on the inside. Both are refreshing and go well with other spicier offerings.

Even with the variety of rolls, no sushi is good if the ingredients are not flavorful and at the peak of freshness. In this department, Ronin excels more than any restaurant I have ever been seated at. The flavor of their nigiri was amazing. It was easily the best smoked salmon and yellow tail I have tasted. The octopus was neither chewy nor tough and actually had a slight snap of freshness, something I have never experi-

enced in a sushi restaurant before. Ronin offers an extraordinary menu with fresh ingredients and

original combinations at affordable prices. With quality service and a convenient location, Ronin is destined to be your new favorite sushi

place, regardless of whether or not you enjoy sushi. For more information, call (386) 252-6320, visit Ronin every day

but Sunday for lunch and dinner at 111 West International Speedway Boulevard, or check online at [RoninSushiAndBar.com](http://RoninSushiAndBar.com).

"Ronin is destined to be your new favorite sushi place ..."

- MELANIE PUGH

of their nigiri was amazing. It was easily the best smoked salmon and yellow tail I have tasted. The octopus was neither chewy nor tough and actually had a slight snap of freshness, something I have never experi-



MELANIE PUGH/AVION

RONIN, THE NEWEST HOT spot in Daytona Beach, is located just west of Beach Street on International Speedway Boulevard. It brings culture to an area that seems to be by and large devoid of it.

## Student Photos



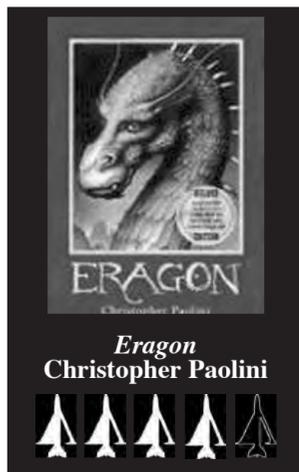
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## Next great sci-fi trilogy



Eragon  
Christopher Paolini



Jacob Stump

Staff Reporter

I'll admit, at first I had no idea what to expect from this novel. I saw a poster for "Eragon" in a movie theatre this summer, and it looked like something I might enjoy. So when I found out that the movie was based on a book, I decided to go ahead and check it out.

Just to provide a little background, the author of this novel, Christopher Paolini, began writing "Eragon" when he was 15 years old. Paolini was home schooled by his parents until age 16, at which time he devoted his time to writing. All the characters in "Eragon" are from his own imagination, except for a magician/herbalist that is loosely based on his older sister. While "Eragon" began as a free-time project that Paolini never planned to publish, it has grown into a trilogy that has gained the attention of both

the public as well as Hollywood. In fact, just more than three years since the mass publication of "Eragon," 20th Century Fox will be releasing the "Eragon" movie on Dec. 15, 2006.

The attention that 22-year old Paolini has gained from this novel is on the scale, if not larger, than the rise to fame that J.K. Rowling experienced from the "Harry Potter" novels. While Paolini has only published the first two books of the trilogy, it appears that he is already garnering the attention that many lifelong authors never attain.

As a fan of classic sci-fi and fantasy, Paolini draws heavily on other works for his ideas. At first, this seems all too apparent and somewhat takes away from the book. For example, the elves in "Eragon" speak an ancient language that can control the flow of magic ("Lord of the Rings"), an ancient lost order of powerful "peacekeepers" is extinct ("Star Wars," in reference to the Jedi), and dragons and their riders become telepathically linked at birth ("Dragonriders of Pern"). However, further into the

novel it becomes apparent that Paolini's world is quite different than those envisioned by other masters, and works to create an experience that rivals any of his contemporaries in both scale and majesty.

Do not be intimidated by words like "magic," "dragons," or "Jedi." If you liked "Lord of the Rings", you will enjoy "Eragon" and the sequel "Eldest." It is a story of a young farm boy named Eragon, unsure about his

past as much as his future, who seemingly by chance acquires a dragon egg. The adventure that ensues not only changes Eragon into a valiant fighter and brilliant leader, but pulls the entire world of Alagaesia into his story. The characters are incredibly complex, and the plot twists will

keep you reading for hours. There are battles on the scale of "Lord of the Rings," and a love story that George Lucas only wishes he could create. And while "Eragon" was written to be accessible to a younger audience (ages 14 and up),

"Eldest" progresses into more mature territory, not just with the expansion in vocabulary, but the content as well.

While "Eragon" and "Eldest" possess the potential to be the next "Harry Potter" (in the sense of walking around waving your hands trying to do magic), their future does seem quite unsure. Based on the limited trailer available online, it is not clear whether the scope and scale of the story will be realized. Anything less than "Lord of the Rings" quality, and audiences will shy away from "Eragon."

The movie will be directed by Stefan Fangmeier, who supervised the visual effects on large scale projects such as "Master and Commander," "The Bourne Identity," "Saving Private Ryan," and "Twister," yet as a first time director it is hard to tell how the movie will pan out. And while I personally will be going to see the movie on the release night, I am already feeling that I will not enjoy the movie nearly as much as the book.

Therefore, before the movie comes out, I highly recommend to anyone that has enjoyed the occasional fantasy novel such as "The Hobbit" or "Harry Potter," to give "Eragon" a try. It may take a while to get through at 497 pages, but every page is worth it.

"... rivals any of his contemporaries in both scale and majesty."

- JACOB STUMP

"... garnering the attention that many lifelong authors never attain."

- JACOB STUMP

## THE FLIP SIDE

He goes to bed not knowing. His head rests against the pillow, and his eyes close. The thoughts of the day pass through his head, and the sky becomes darker. He goes to bed not knowing she won't be his tomorrow.

She goes to bed knowing. She goes to sleep worrying that she will hurt him. She goes to sleep planning what she will say. Her head flips back and forth on the pillow as she wonders if she is doing the right thing. Will she miss him? Does she love him? Will she hurt him? She goes to bed not knowing.

She goes to bed not knowing he'll be gone by morning. Her head sinks in the pillow, and she is overcome with dreams, dreams of fantasy. Little does

she know the harsh reality she will face in the morning. He will be gone from her forever. He will be gone from the earth evermore.

She goes to bed not knowing that she spoke her last words with him. She sleeps peacefully now. He will always be, peaceful. She goes to bed not knowing.

He goes to bed knowing. He goes to bed knowing his last few breaths will soon be drawn. He goes to bed knowing he will meet his Maker soon. He goes to sleep in peace. He goes to bed knowing the pain will soon be gone. He tubes won't be needed soon. He will be free from the shackles of disease. He goes to bed knowing.

She goes to bed not knowing. She sleeps, knowing she has a way to put food on the table. She goes to bed with a job she complains

about, yet feels stuck at. She has been there so long. She doesn't even, dream about other options. She goes to bed exhausted. She goes to bed with tomorrows work clothes in the dryer. She goes to bed with the bills paid. She goes to bed not knowing it will all be gone tomorrow. Her job, her way to pay for car insurance, her monotony, all to be gone tomorrow. She goes to bed not knowing.

He goes to bed knowing. She must be fired tomorrow. They need to cut employees. She had been there awhile. She is good, but she isn't great. She comes and goes with no mark to be left. He goes to bed knowing she won't come back after tomorrow. He goes to bed knowing it won't be easy for her. He goes to bed knowing that's what he must do.

He goes to bed not knowing. Tomorrow his life will change. His work has paid off. His job is landed. This is where he will

live until he retires. He will meet his best friends here. This job will pay for his children's education. His recent credit card debt will be paid. He can buy her that engagement ring. He goes to bed unsure of his future. Laying next to his pressed suit, he is tossing from anxiety. He goes to bed not knowing.

She goes to bed knowing, knowing he has the job. Knowing she changed his life, she will have to reject others. She goes to sleep not knowing he will be an asset to the company for three decades. She goes to bed knowing he will get the call that he has been waiting for. The résumé said it all, but the interview won her over more than she could have hoped for. She rests peacefully, ensured that she made the best choice. She goes to bed knowing.

He goes to bed not knowing. He doesn't know he will meet the world in the morning. He

lives in a little safe place at the moment. The sounds of pain have been muffled. Light hasn't hurt his small, innocent eyes yet. Sheltered he lives. He goes to bed not knowing.

She goes to bed knowing. She knows they will induce labor tomorrow, and she will see him for the first time. She knows he will have obstacles to face. She knows he will have heartaches. She knows he will have friends that will be with him all the time and others who will betray him. She knows he will laugh and that he will cry. She knows he will succeed and that he will fail. She knows there will be moments that he will want to freeze forever and those that he will want to forget. She knows there is so much for him to experience. She goes to bed knowing.

She goes to bed not knowing. She falls right asleep. She goes to bed knowing, knowing

someone loves her. She goes to sleep knowing there is someone who will hold her in his arms and make the world disappear, not knowing they will soon start their wedding planning. She goes to bed with a smile. She goes to bed not knowing.

He goes to bed knowing. It is hard for him to fall asleep. Will she say yes? He goes to bed not knowing. He has it all planned out to the very second. He says his speech over and over in his head. He goes to bed knowing what to say. He wants to wake up every morning to her smile. He has found his soul mate. He goes to bed knowing.

We all go to bed knowing and not knowing how tomorrow will change our lives forever, how we will change others' lives. Life is how we use what we know to affect others and how we handle the unknown. What do you go to bed knowing?



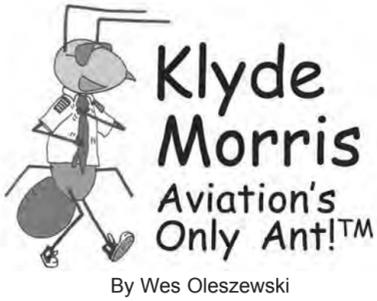
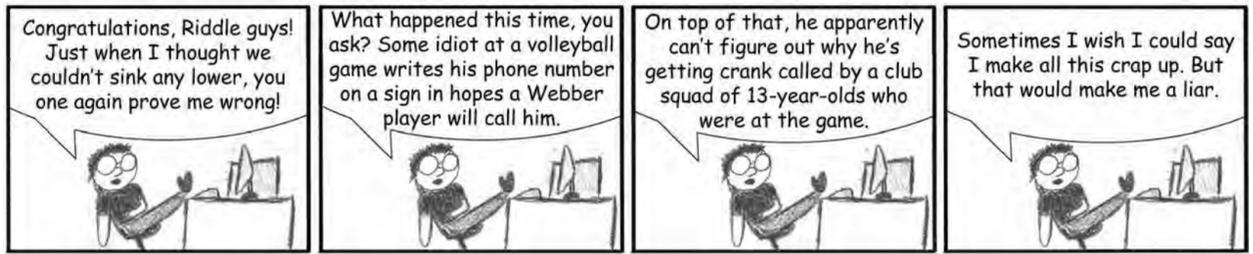
Jacklyn Duff

Columnist

## The Riddle of Life

By Jonathan Mettin

This is beating a dead horse ... with a mace ... before unloading a nail gun into the carcass. Seriously, when will you guys stop acting like morons?



## SUDOKU

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INTERMEDIATE

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

DIFFICULT

## Cartoon Stripping

**Across**

- Strip revolving the Winslow family and their not-so-great-dane who they just can't seem to get to obey.
- Before Batman, before The Shadow, before The Green Hornet, before The Lone Ranger, this comics' first masked mystery-man hero had long since been striking fear into the dark hearts of the wicked.
- Popular for its political editorial slant which is primarily noted for a liberal outlook.
- This comic captures the charm and humor of childhood reminding its fans of when kids were kids and growing up was fun centered around two boys and their mischievous acts.
- This strip features a fat cat, pet dog and their socially inept owner; it currently holds the Guinness World Record for being the world's most widely syndicated comic strip.
- Featuring a woman who struggles through the "four basic guilt groups" of life - food, love, mom and work; gently poking fun at the foibles of

modern women's lives.

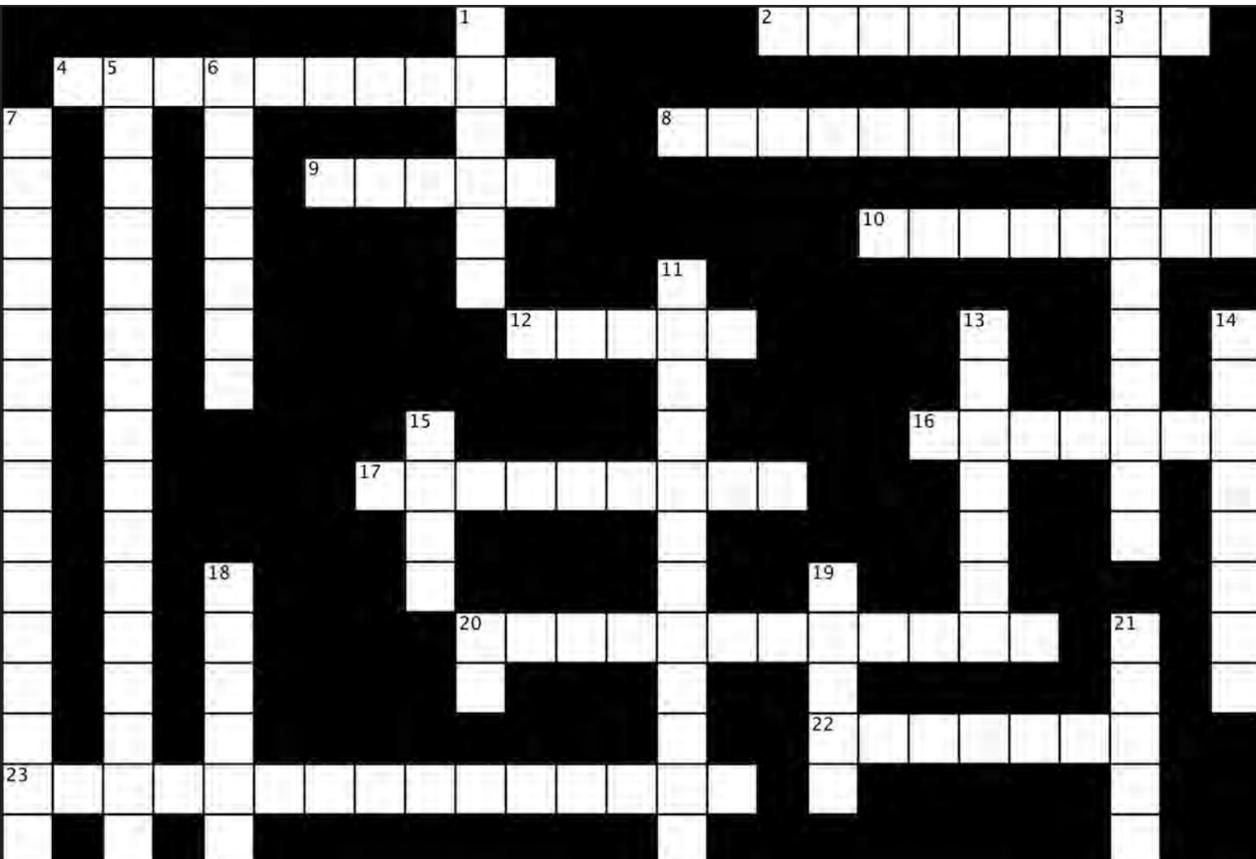
- Centered on the daily lives of the Fox family, this strip covers a wide range of subject matter including spoofs of pop culture "fads" and popular consumer products.
- This typical American suburban family with four children first appeared in Beetle Baily as Beetle's sister's family and spun off into their own strip.
- Set in U.S. Army boot camp being among one of the oldest strips being made by the original creator.
- Satirical humor about white-collar micromanaged office featuring engineers.
- Humorous antics of an imaginative six-year old boy and his energetic and sardonic stuffed tiger.

**Down**

- This short, balding and downright ugly (by anyone's standards) is also one of the mostly widely recognized character is credited for major increase in spinach consumption.

- The only ant in aviation (hint: look above the Sudoku).
- The world's most popular viking, who is featured in 58 countries in 13 different languages.
- This strip was one of the most popular and influential in the history of the medium for its deft social commentary with its origin in Li'l Folks.
- One of the most enduring irresistible imps in the world which first began with plaguing his next door neighbor.
- Began as a strip with no central characters that revolved around the loser theme but gradually developed into the comic starring the Thornapples.
- Originally focused on adventures of a carefree flapper girl who spent her days in dance halls reformed into a family fun-fare with a running gag of the impossibly tall sandwich often fixed for a snack.
- This strip's humor comes from the conflict between the cat and dog's extremely stereotyped personalities with their owner who

- is often frazzled from dealing with them, more specifically dealing with the cat's cruel, self-centered nature.
- Widely popular comic featuring a 15-year-old aspiring rock musician, riddled with angst, boredom and parents who don't understand anything while trying to solve the mystery of life.
- One of the few comics featuring African-American characters, praised for its contemporary humor as well as its sensitive dramatization of serious social issues.
- First strips to feature Latino characters and themes towards mainstream audience.
- Comic set in prehistoric times, featuring a group of cavemen and anthropomorphic animals from variety of geologic eras.
- Day-to-day adventures of a cat named Mooch and a dog named Earl who portrait child-like innocence in a funny manner that springs from artist's deep appreciation of nature and the sanctity of all life.

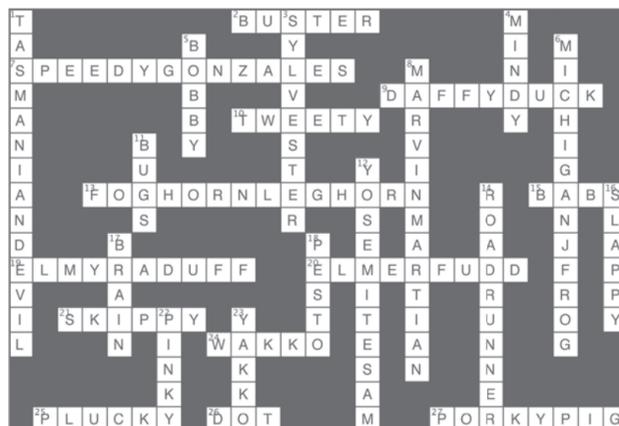


Submit your completed crossword to our office in SC 110. All correct entries will be entered to win a \$10 gift certificate to Barnes & Nobles Bookstore. Entries are due Friday by 5 p.m. Good luck!

### Last Week's Solutions

Looney Tunes, Tiny Toons and Animaniacs, oh my!

WINNER: Jenna Kline



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Come join us and reside around the sparkling waters of Crystal Lake at Legacy! We are conveniently located only minutes from ERAU and all apartment homes are equipped with washer/dryers, black on black appliances, and ceiling fans. Enjoy our resort style pool, business center with internet access, or the fitness center featuring Nautilus equipment; pets are also welcome. We look forward to meeting you! (386) 304-0028.

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3 bedroom, 2 bath. Furnished. Located 10 minutes from campus. Rent \$250 plus 1/3 elec. High speed internet, water, cable included. Must be student, move in early/mid Dec. Email [borinf2d@erau.edu](mailto:borinf2d@erau.edu)

**Mobile Home in S. Daytona**  
3/2 older double-wide mobile home in nice park near Nova and Big Tree. Central air, newer baths etc... 1400 s.f. fenced yard. \$800 per month. Call (386) 804-5645.

**HOUSING / ROOMMATES**

**Brand New Home**  
3000 s.f. in Joyelle, LPGA. Available right now! 3/3 with huge loft can be used for another bedroom or two. granite counter tops, maple cabinets, 3 car garage, beautiful home, \$1600 per month includes landscaping! Call (386) 804-5645. Landlord has other students in similar homes

**Roommate Needed**  
2 bedroom apartment at Indigo Plantation. Water and sewage included. Rent \$799/month plus cable and power. Already furnished, current roommate would just need some money for TV, washer and dryer and bed (if needed). Looking for clean roommate. Contact Ryan at [stec0c4@erau.edu](mailto:stec0c4@erau.edu) or (248) 894-2640.

**Rooms for Rent**  
3 rooms for rent in newly renovated townhouse. 4 miles from campus, washer/dryer, fireplace, large family room (2 story), and community pool. Price includes: cable, water, and electric. 2 rooms with walk in closets: \$550/each. Large master bedroom with private bath, walk in closet, and balcony: \$650. Parking for 4 cars. (703) 868-1240.

**The Preserve at River's Edge**  
Remodeled 1/1 condo for rent in river side gated condo community close to Beach St. + Beaches. All new appliances, tile, carpet, screened porch. Condo amenities: river side pool & jacuzzi, fitness center w/ all new equipment, car wash station. Only 1st month's rent + 1 month's security deposit needed to move in! aAction Prop Mgt-LicREBroker \$730/month + \$200 off the 1st month's rent. Call (386) 437-0005 or (866) 220-1140 or [www.daytonabeachrental.net](http://www.daytonabeachrental.net)

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**Room for Rent**  
Port Orange - 10 min from Riddle. Right off Clyde Morris Blvd. Room available, \$475. Laundry room, kitchen, pool, common area priviledges. Nice home. Palmer and Riddle student renting now. Call Dan at (386) 562-7662.

**Apartment for Rent**  
First floor, 2 bedroom, 1 bath, laundry room. Water included. \$600/month plus gas & electric. \$500 security deposit. No pets. For information call (386) 252-7012 or leave a message.

**Beachside Efficiency with Pool**  
Includes cable, water, can be furnished or not. New kitchen, bath tile floors. Near beach and Bel Air Plaza. 2 Br home in front also available \$1250/mo. Also furnished, if needed. Call (386) 589-7779.

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Completely remodeled two bedroom 2 bath townhome located in Townhomes West. Upgrades include new tile and carpet, new vanities and countertops, light fixtures and ceiling fans, new dishwasher and hot water heater. Maintenance fees are \$50 per month. This home is vacant and ready for immediate occupancy. Price listed at \$164,500. Call Lisa Swasey at Ideal Realty. (386) 316-1706 or (386) 304-3033.

**HOUSING / ROOMMATES**

**Roommate Needed**  
Great location, near beach. Minutes to school. Could be 3 bedrooms, \$1100/mo. Call (386) 589-7778.

**Port Orange House**  
Looking for housemate. One male and one female at the moment. Rent is \$515 a month for everything (cable, internet, utilities) Amenities like 5 miles or 10 minutes from ERAU, Kitchen, Fireplace, Washer & Dryer, Florida room, Open floor plan, Two car garage, Quiet neighborhood, Big Yard. Available immediately. \$225 refundable deposit. Call Sean @ (818) 256-6683 to arrange to see this beautiful house.

**Looking for Roommates**  
Looking for housemate. One male and one female at the moment. Rent is \$515 a month for everything (cable, internet, utilities) Amenities like 5 miles or 10 minutes from ERAU, Kitchen, Fireplace, Washer & Dryer, Florida room, Open floor plan, Two car garage, Quiet neighborhood, Big Yard. Available immediately. \$225 refundable deposit. Call Sean @ (818) 256-6683 to arrange to see this beautiful house.

**Condo for Sale**  
Beautiful two bedroom two bath condo located at Bristol Bay. This end unit allows for privacy and backs up to the woods. Completely remodeled and features new flooring, vanities, appliances and freshly painted. The association fees are \$115 per month and include cable, community swimming pool, basketball court and play area. This unit is vacant and ready for you. Call Lisa Swasey at Ideal Realty (386) 316-1706 or (386) 304-3033. Asking price \$158,500.

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**3/2 House for Rent**  
3/2 house, 2 1/2 miles from campus. \$1,395/month includes water, sewer, garbage, pest control, lawn maint, and all appliances. Tenant responsible for electric, phone, etc. \$500 deposit required. Available for rent starting in Dec. Please call (407) 310-0624 or email [mmgilzen@myway.com](mailto:mmgilzen@myway.com)

**Apartment for Rent**  
Great opportunity to share expenses. 2 bedrooms, 1 bath, laundry room, furnished/unfurnished. Water included. \$650/month plus gas & electric. \$600 security deposit. References required. No pets. For information call (386) 252-7012 or leave a message.

**Looking for Roommates**  
Looking for 2-5 people to split a spaces house just 10 miles from ERAU. Rent 375 plus utilities. Utilities Internet, electricity, Cable, Water, AC, EXT. Not to picky about roommates as long as you pay your rent and can get along with people, you're welcome. Flexible lease terms with option to reserve room over summer for next semester break. For info Contact [hackead8@erau.com](mailto:hackead8@erau.com) for info.

**HOUSING / ROOMMATES**

**Roommate Wanted**  
3 bedroom, 2 bath townhouse. Located off Palmetto near Beach St. 10 min from ERAU, 5 min from the beach! Fully furnished living room, dining room, & large fully equipped kitchen. Only \$280 per month. Utilities not included. Available immediately - serious inquiries only. Call (386) 334-5898.

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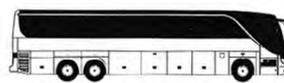
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