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Plans for new flight complex announced

Brian Case

Editor-in-Chief

The Embry-Riddle Flight Department will soon be operating in a new home. Phase two of the College of Aviation is about to begin, which will replace the aging Gill Robb Wilson Flight Complex that has stood for nearly 35 years.

The new building will be approximately 50,000 square feet and three stories tall, according to University Construction and Planning Director Dita Peatross. The University has just completed the "program requirements" phase of planning, where the needs of the new building are finalized. Those needs are given to an architect who will design the new building over the next nine months.

The final building will be significantly smaller than depicted in the artist drawing, according to Chairman of the Flight Department Frank Ayers. "We cut it down to what we needed for flight," he said. Also changed is that the building will not feature the sky bridge depicted in the drawing.

The first floor will have all the student functions, most prominently flight dispatch. Flight planning space, oral rooms and classrooms will also share the first floor. One of the first floor classrooms will have auditorium-style seating for at least 100 students or instructors.

The second floor will hold all the administration offices now scattered between D, G and H buildings. Instructor bays, team offices and flight records will share the space. The third floor will be constructed with the first two floors, but left vacant for expansion. As Ayers explained, building the third floor now is significantly cheaper than having to expand the building later.

The building will be placed on top of the Eagle parking lot. By the time those spaces are lost to construction, the spaces currently closed for the residence hall and academic buildings will reopen. This should

eliminate any potential parking crunch. The fleet maintenance hangar will remain in its present position, as will the hangars and workshops that border the south perimeter of campus.

Once the building is finished, the Gill Robb Wilson Flight Complex will be demolished. That space will likely be reclaimed for the aircraft ramp, parking or both.

Funding has been secured and construction will begin in late 2007 or early 2008, coinciding with the completion of the three building currently being built. Peatross estimated the building at \$14 million, but cautioned that she did not have the most up to date figures. Ayers estimated the costs at \$8 million, but issued the same caution, referring *The Avion* to the Chancellor's office.

The Avion attempted to contact Chancellor Thomas Connolly and Linda Manning, who manages the university budget for an accurate estimate of the cost, but both were unavailable due to university business.

Building Facts

- 50,000 square feet.
- Three stories tall, although the third story will initially be unoccupied.
- Dispatch, oral rooms and other student areas on the first floor; administration on the second floor.
- Architectural plans being drafted now. Final plans due in nine months.
- Construction starts in late 2007 or early 2008. After the building is finished, the Gill Robb Wilson Flight Complex will be demolished.



IMAGE COURTESY UNIVERSITY CONSTRUCTION AND PLANNING

AN ARTIST'S RENDERING OF phase two of the College of Aviation. The 50,000 square feet, three story building will mirror the profile of the College of Aviation, but will not be built exactly as depicted. The new building will not connect to the COA with a sky bridge as depicted, and the aircraft ramp will not immediately be flush with the building.

ERAU alumnus can help you lose *all* that weight ... literally

Thomas Kiley

Comics Editor

Most Embry-Riddle students have seen and experienced at least some of the space-related attractions in and around central Florida. Students with aerospace ambitions are often attracted to places like Kennedy Space Center and *Mission Space* at Disney's Epcot Center.

However, Craig Morse, an Embry-Riddle alumnus and President and CEO of Distinctive Escapes, is willing to bet you've never experienced anything like what his company has to offer.

Distinctive Escapes is based out of Lake Mary, Fla. and calls themselves your "luxury travel specialists." They offer some pretty unique services. "We're not your typical travel agency," says Morse.

One adventure he thinks will be of particular interest to Embry-Riddle students is called the "Above Ground" package. It features a series of flights that simulate the effects of zero gravity and is operated in cooperation with two companies called Space Adventures and Zero-G.

The trip begins with a briefing that covers everything from the science behind the flight to ways of avoiding motion sickness.

After donning dark blue jumpsuits, the adventurers are bussed to the runway to

meet a modified Boeing 727 aircraft. The plane often (but not always) departs from Kennedy Space Center using the runway at the Shuttle Landing Facility.

During the flight, participants are free to do whatever they like as long as they don't endanger other passengers. Some common sights include back flips, pushups on a single finger, drinking bottled water in globs and playing catch with two other participants, one of whom is curled into a tight ball.

The pilots flying the aircraft complete a series of 15 parabolas, each of which takes the riders through four "degrees" of gravity.

The first portion simulates Martian gravity, equal to about one-third that on Earth. The second simulates gravity on the moon; about one-sixth that on Earth. Next, the participants reach the apex of the parabola and experience zero gravity for a period of about 40 seconds. Finally, as the pilots pull the plane out of the parabola, participants experience 1.8 times the gravity on Earth.

Forrest Cloud, a retired Naval Aviator from Kansas City, Kan., recently received a voucher for his 60th birthday; a gift from his wife. "It's an amazing ride ... They really take care of you up there," he said. "I enjoyed every second of it."

Morse graduated from Embry-Riddle with an A.S., B.S. in Aeronautical Science

before earning an M.S. in Aeronautical Science in 1998. He is a Certified Travel Counselor (CTC) and offers a wide array of once-in-a-lifetime destinations.

If you're looking for an even bigger adventure, Distinctive Escapes has also partnered with Virgin Galactic to offer space tourism flights for \$200,000.

While \$200,000 is certainly out-of-reach for the average college student, Morse says the Zero-G flights are "far more affordable" at \$4,200.

"Affordable" might be a relative term, but \$4,200 is certainly within the realm of possibility for a student, particularly for those Embry-Riddle students who live and breathe aviation and aerospace. In addition, if charters of 27 participants are arranged well in advance, the total cost for the trip could drop to as little as \$3,000 per person.

For more information, contact:

Distinctive Escapes: Luxury Travel Specialists
1 (407) 322-0344
www.distinctivescapes.com

Zero-G Weightless Flights
1 (800) ZERO-G-800
www.nogravity.com

Virgin Galactic Space Tourism
www.virgingalactic.com



No. 1 men's soccer falls to Bees, Warriors

Chris Tezak

Photography Editor

The newly named NAIA No. 1 Embry-Riddle men's soccer team had a tough week, dropping two conference games to the Savannah College of Art and Design (SCAD) and Webber International, moving their record to 5-2, and 1-2 in the Florida Sun Conference.

Coach David Gregson was prepared for a tough game against SCAD. "They're always up for a game against us. They play very direct and physical, kind of like Rio Grande. And now that we are the No.1 team in the country, they'll be well up for it. We just have to play up to our potential and we'll be fine," he said.

SCAD came to town on Wednesday, the same day the new national rankings were announced. The first half of the game saw little action from either side as both teams were somewhat disorganized. The Eagles' defense was in top form though as they were able to take three balls off the ERAU goal

line to prevent SCAD from tallying a score. Two were headers off of corners and another was flicked out by a sliding defencemen.

The deadlock was broken when left-back Liam McIlhatton made a run down the wing. He was able to thread the ball to Ian Thompson who made a brilliant pass through the box to an unmarked Peter Masters who easily capitalized on the opportunity to score.

After the break the Eagles were able to step up the pressure, though every run was turned away by the SCAD back line. Thompson and Joe Yoffe missed hooking up on multiple occasions with Thompson looking rusty on the wing. Yoffe missed a few opportunities from inside the SCAD penalty box but neither player could foresee what was going to happen at the end of the game.

The Bees were able to snag an equalizer when winger Dan Fadida made a great individual run in the 88th minute. He was able to deke McIlhatton who was hurting from a

Please see "SOCCER," page A3



CHRIS TEZAK/AVION

HUGH DAVEY BEING SENT off for a head-butt against a Webber player during the second half of the game Saturday night. The Eagles sacrificed the game winning goal after going a man down, to drop their second game of the week.

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Cross country and rugby score victories; volleyball falters

Sports, A3



'Reflections of 9/11' How the Sept. 11 attacks affected ERAU

www.avionnewspaper.com/sept11

THE AVION

By students, for students.

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New SGA officials appointed

Jonathan Mettin
Managing Editor

The Student Government Association (SGA) filled several vacancies last week with the appointment of a Director of Internal Affairs (DIA) and five new members of the Student Representative Board (SRB).

Jennifer Dolence, the Promotions Coordinator of Touch-N-Go Productions, was named as the new DIA. The position was created under former SGA President Matt Collier in 2004 during his second term in office as a liaison between the branches of the SGA, which include the Executive, Legislative (the SRB and the Student Finance Board (SFB)) and Judicial (the Student Court) branches and its three divisions (Touch-N-Go Productions, The Avion and Eagles FM).

The position has been vacant since Fall 2005, when then-SGA President Sara McCook eliminated the position from the cabinet. The last person to hold the position was Mary Cloutier, who graduated in December. Current



Jennifer Dolence



Pablo Alvarez



Thomas Kiley



Kristina Honoré



Carlos Williams



Allan Craddock

Director of Internal Affairs

COA Representative

COA Representative

COA Representative

COB Representative

AMS Representative

president Nathan Clapper reinstated the position because he believed it was important to the efficient operation of the SGA, which came under fire last year for lack of activity.

The SRB filled its five vacancies as well, picking five candidates from a pool of about 30 applicants. In the SGA elections last spring, there were more positions available on the SRB than there were applicants, giving all the candidates an automatic seat, provided that they met all the criteria, which include a minimum GPA and membership in their represented

college, among other things.

Pablo Alvarez, Thomas Kiley and Kristina Honoré filled the three vacancies in the College of Aviation. Alvarez has worked with Student Activities, while Kiley has held numerous positions within The Avion, including two semesters as Editor-in-Chief in 2005. Honoré served on the SRB last year and ran for SGA President in spring, but lost to the Clapper ticket.

An open spot in the College of Business was filled by Carlos Williams. Williams served as vice

president of Task Force One, a part of the SGA that allows first-year students, who are normally ineligible for SGA positions, to take part in student government. The final slot, the Maintenance representative, was given to Allan Craddock. He serves on Touch-N-Go's Executive Board.

All of the SRB's meetings are open to the entire student body. They meet every Tuesday at 12:45 p.m. in the Endeavor Conference Room. The DIA meets with the Executive Board, whose meetings are closed.

Memorial service held for alumnus

Melanie Pugh
Business Manager

The Embry-Riddle family mourned the loss of another cherished member in June. U.S. Army 2nd Lieutenant John Shaw Vaughan made the ultimate sacrifice for his country in support of Operation Iraqi Freedom, becoming the 12th fallen hero to have graduated from Embry-Riddle and perished during Operations Enduring Freedom and

Iraqi Freedom. Vaughan graduated from the Daytona campus in May of 2005 and received his commission from the U.S. Army at the same time.

A memorial service was held Friday, Sept. 22 on the West Lawn. In attendance were U.S. Army Maj. Michael Schaefer and cadre members from all of the services. Vaughan's best friend and fellow 2nd Lieutenant Jason Turner, returned to campus to speak at the service. A roll call was performed

by AROTC cadre members, and Taps was played before attendees were asked to pay final respect to the inverted rifle, a pair of combat boots, a Kevlar helmet and set of dog tags assembled before Vaughan's portrait in traditional military fashion.

Vaughan, of Edwards, Colo., was stationed at Fort Wainwright in Fairbanks, Alaska. He served as a platoon leader for the Army's 2nd Battalion, 1st Infantry Regiment, 172nd Stryker Brigade Combat Team and deployed to Iraq in early May for a six-month tour. Vaughan lost his life on June 7 while encountering enemy small arms fire on patrol in Mosul, Iraq.

While at Embry-Riddle, Vaughan earned a B.S. in Aviation Business Administration with a concentration in airport management. He served as a Battalion Commander for ROTC and was one of three AROTC members to complete jump training and earn paratrooper wings at Fort Benning, Ga.

Vaughan is survived by his mother, father and sister. Memorial services were held June 11 in Colorado and June 16 in Quincy, Fla. at his grandmother's house. A motorcade procession led

Vaughan's casket from Quincy's National Guard Armory to nearby Hillcrest Cemetery, where he was laid to rest in his dress blues uniform. The Army ROTC office at the Daytona Beach campus was closed June 16 to allow staff members to pay their respects at the funeral.

Fellow ERAU and AROTC alumnus Forest J. Lightle IV wrote of the service, "My life is forever changed because of you and the awesome realization today that we are one family and one life. Buncha' grown men crying on each others' shoulders! A Captain from your unit was there and had the highest words of respect for you and the mission you accomplished in your short time with your men."

Vaughan is remembered by his peers for being outgoing, adventurous and enthusiastic, but above all, an excellent leader. Just days before deploying to Iraq, Vaughan closed a post on his website by writing, "Okay, that is it for now, everyone stay chill, and keep supporting our boys in the 'box,' because they need it. Love you all!!!" Those that knew him know he would still wish for the same.



A MEMORIAL SERVICE WAS held recently for students, staff, and faculty to remember alumnus and Army 2nd Lieutenant John Vaughan. Vaughan was killed in Iraq in June.

Professor explains consciousness

Bob Scheid
Chief Copy Editor

Last Tuesday, Dr. Rodney "Buz" Piercey spoke in an Honor Program lecture about the "Mathematical Foundation of Consciousness," discussing everything from cobalt to zombies and from free will to acausal violations of the quantum theory with the standing-room-only crowd in A109.

Much of what Piercey said doesn't translate into text well; indeed, one of the tenets of his talk was the fact that while all humans have the ability to reach into their minds to look at their consciousness, we have no way to see others do it, to observe on them from outside the consciousness. Throughout his talk, Piercey

referred to this as the shared and unshareable experience of humans. This particular fact also says that any given person can tell if he or she is thinking, but is unable to tell if the people around him or her are thinking beings, or just smart zombies that put on a good show of thinking and can pass an equivalent of the Turing test for intelligence in computers.

The second part of the lecture dealt mostly with the physiological bounds of the mind, and how the mind is supposed to interact with the physical brain. The two options posed by Piercey were these: first, that thought was limited to neurons firing in a "predetermined" sequence that is an effect of neurons that have fired previously; and second, that the mind is capable of firing a neuron by itself, which would in turn cause others to fire and create the physical reaction required for action. Both options pose problems, though. If the mind has no control over when the neurons discharge their energies, and if everything is based on what happened before, then our thoughts are predetermined and we have no "free will." If, on the other hand, our minds are able to somehow cause energy to be created in order to cause a neuron to discharge with no other stimulus, then scientific determinism no longer applies to our brains, because something that cannot be anticipated or predicted is able to cause things to physically change.

Before concluding the lecture, Piercey told the audience about one more concept that truly made everyone "think" about what free will could be. Cobalt-60, a radioactive isotope, decays in an apparently random fashion; as Piercey said, "Cobalt-60 can choose to decay." No outside stimulus is needed for the atom to decay; it can remain radioactive for a time, and then "decide" that it wants to decay, meaning that it has as much free will as any of the members of the audience. After this revelation, some students cradled their heads as they walked through the doors, while others stayed behind to discuss chaos theory and thinking atoms of cobalt over pizza with each other.

Career Services
Helping Eagles Soar

Tuesday, 9/26	Presentation, "Getting Your Money's Worth at Career Services" IC-104, 10:30 am
Wednesday, 9/27	Presentation, "Getting Your Money's Worth at Career Services" IC-104, 5:30 pm
Wednesday, 10/18	Co-op/Intern application deadline. Schedule a mandatory advising session with your Program Manager
Wednesday, 10/25 Thursday, 10/26	Annual Industry/Career Expo ICI Field House, 10 am-3 pm 100 companies registered for the event

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226-6054
Spruance Hall 134

Embry-Riddle men take Smoothie King Invite

Press Release

ERAU Sports Info. Dept.

DAYTONA BEACH, Fla. - The Embry-Riddle men's cross country claimed the team title for the third year in a row at the 2006 Embry-Riddle/Smoothie King Cross Country Invitational on Saturday. The ERAU men finished atop the nine-team field with 20 points ahead of Nova Southeastern (57 points) and Savannah College of Art and Design (78 points). The Eagles' top runner was Nick

Gehlsen who placed second overall in 27:55.34 behind individual champion Jason Powers (27:50.25) who ran unattached. Erick Ngeny (28:41.28) was fourth overall and teammate Jarrett Woodbury (29:07.28) beat Daniel Conn with a sprint to the finish to claim the No. 6 spot. Jason Minor (29:22.53) and Evan Clay (29:37.14) rounded out the Eagles top five as the Embry-Riddle men claimed five of the top 11 spots.

For the second straight meet, Alex Salinas crossed the line first for the Eagle women who finished third overall with 80 points behind meet

champions Florida Tech (57 points) and Nova Southeastern (79 points). Mary Gathua (20:33.33) was fourth overall, while Francesca Martino (19th, 22:08.21), Laurel Cook (24th, 22:23.84) and Jen Haydt (30th, 22:48.48) rounded out the Eagles' scoring.

Valdosta State's Melissa Daugherty took the women's individual title, crossing the line in 20:08.43.

Both the men and women travel to Louisville, Ky. on Sept. 30 to compete in the Greater Louisville Classic.



NICK GEHLSSEN (FRONT) HELPED the men take first place at the 2006 Embry-Riddle/Smoothie King Cross Country Invitational for the third year in a row. Gehlsen was the Eagle's top runner, placing second overall.

Volleyball goes 2-3 on week, drops under .500

Jonathan Mettin
Managing Editor

Despite the best offensive efforts of April Ebanks, Jenn Meglic, Jenni Nelsen and Savannah Trakes, Eagles volleyball came out on the short end of a five-match week, sweeping Northwood and Southeastern but losing to Lynn, Madonna and Palm Beach Atlantic.

The loss against Lynn snapped a five-match winning streak by the Eagles dating back to Sept. 2, and the three losses dropped ERAU back below the .500 line. The Eagles now stand at 8-9, but their 3-0 conference record still leaves them in a three-way tie for first place in the Florida Sun Conference with SCAD (9-5, 4-0 FSC) and Webber International (6-1, 2-0 FSC).

The non-conference action started on Thursday when the Eagles traveled to Boca Raton to take on the Fighting Nights of Lynn University. The Eagles took the first game 3-0, outitting the NCAA Division II

team .294 to .000. Lynn fought back, hitting .353 versus the Eagles' .127 to take the next three games 3-0, 3-0, 3-0.

Three Lynn players hit above the .300 mark for the match, including a .500 showing by Megan Bedner, who also put up 58 assists. Christie Schade led the Lynn defense with 26 digs. On the Embry-Riddle side of the court, Meglic turned in her third .500-plus performance of the season, leading all players with a .545 percentage on her way to an error-free 12 kills. Nelsen posted 11 kills and 17 digs, while Trakes logged nine kills and 10 digs. Ebanks and Mia Jaramillo both went up for six blocks, while Marissa Gonzalez put up 35 assists.

The Eagles then went to West Palm Beach to play in the Palm Beach Atlantic tournament, going 2-2 and taking home third place.

The first game on Friday saw the Eagles take on conference rival Northwood. Led by a 12 kill, .357 percentage, 11 dig performance from Trakes, Embry-Riddle hand-

ily defeated the Seahawks 30-19, 30-19, 30-24. Libero Rachel Ridder laid out for 10 digs, while the team as a whole hit a combined 18 service aces - five each from Gonzales and Nelsen, with four from Trakes. Ebanks led the blocking game with five blocks, two of them solos.

The nightcap saw the Eagles take on the ninth-ranked Madonna Crusaders. Embry-Riddle blew a 25-21 lead in game one, setting a tone for the match - the Eagles and Crusaders were tied in both of the other games (14-14 in game two and 11-11 in game three) before the Crusaders went on a run to break the games open. The Eagles fell 28-30, 25-30, 17-30.

The Crusaders hit a daunting .363 as a team, led by an error-free .615 showing from Lubovj Tihomirova (16 kills) and a .571 effort (nine kills) from Heather Spooner. Despite the loss, the Eagles hit a very respectable .250 as a team, led by Ebanks (.455, 13 kills) and Meglic (.348, 11 kills). Trakes also logged 11 kills.

Saturday opened with a 23-30, 22-30, 23-30 loss to host Palm Beach Atlantic. The Eagles were held to a .011 overall attack percentage, with Ebanks pacing the team with eight kills, three service aces and three blocks. Nelsen had six kills and seven digs, while Meglic went up for four blocks in addition to her six kills.

The Eagles exacted their revenge on their next opponent, besting Southeastern 30-23, 30-27, 30-16. Ebanks, Nelsen, Trakes and Meglic combined for 41 kills and a .309 attack percentage, while Rebecca Heller also had an impressive .308 showing on her way to six kills and seven digs. Nelsen led the backcourt defense with 17 digs while Ebanks manned the net for five blocks. Trakes and Ridder posted 11 kills apiece, while Amanda Meller served up six of the team's 16 aces.

In other news around the conference, SCAD moved up in the national rankings, taking over the No. 8 slot. ERAU's Ridder and Gonzales retained their titles as FSC Libero of the Week and Setter of the Week, respectively, for the second straight week, while last week's Player of the Week Meglic was edged out by Warner Southern's Nikisha Arrington, who posted a .449 percentage over three matches with 39 kills.

The Eagles are back in action tonight in St. Augustine, taking on former conference rival Flagler. The Eagles next home game is on Friday, when they will look for revenge against Palm Beach Atlantic before a doubleheader on Saturday, where they will face Northwood and Edward Waters in conference action.



OUTSIDE HITTER SAVANNAH TRAKES had an impressive showing on Friday versus Northwood, leading the offense with 12 kills and the defense with 11 digs. She hit .357 for the match.

Rugby takes care of UM

Brian Richardson
Special to The Avion

The first day of collegiate rugby for Embry-Riddle Aeronautical University finished with a bang but started off very rocky. The exuberant youth started off aggressively hitting hard, driving the opposition back, and unfortunately racked up quite a few early penalties.

The University of Miami stayed patient and used this to their advantage and kept kicking deep into Iron Eagle Territory. UM finally scored on a lineout from the five meter line, when their large eight man took a back door pass to score uncontested, UM missed the extra point kick. The team regrouped stayed aggressive but under control and slowly took control of the game. Scrum Half Marshall Newell was like the Energizer Bunny all day long and

was rewarded early with a nice hustle try by diving through traffic near the goal line, 5-5.

The Iron Eagles continued some strong play and combined a nice series of plays that ended up with Prop Sebastian Arrazolla scoring in the corner, Iron Eagles 10 - UM 5. Strong defense kept the pressure on UM when new freshman center Mark Eichner split the UM defense and set up the teams longest player flanker Eric Kvam for an easy score, Iron Eagles 15 - UM 5. The team was happy and the coach was now worried about a big mistake that would make this a much closer game. Next thing you know Miami broke through and was one tackle away when eight man Chad Dionne made a desperate tackle and drove the ball carrier back, saving a last minute score. After the half both teams were starting to run low on energy.

The Iron Eagles were breaking

down the UM defense with long runs by Mark, Issac Couderier, and Sebastian Tomaszewski; however, they had no support and these chances were denied. We thought George Kazakos had a try but was inches short. Then the Miami eight man burst through the defense for a 70 meter run that was eventually bottled up. With fatigue taking over, the Iron Eagles continually kicked to keep UM deep in their own territory. Fullback Matt Tipton was counter attacking on a nice grub kick to the corner when wing Jordan Kiser beat him to it and scooped and scored, Iron Eagles 20 - UM 5. The ref ended the game after the missed extra point attempt.

The Iron Eagles look to build on this win next week with another home game against USF at 2 p.m. at the ERAU rec field on the SW corner of International Blvd. and Clyde Morris Sept. 23.

Golf and tennis updates

Courtesy ERAU Sports Information Department

ORMOND BEACH, Fla. - The Embry-Riddle women's golf team sits in sixth after the first round of the DBCCLady Falcon Invitational at Riviera Country Club. 2006 FSC/Region XIV Player of the Year Tara Allen picked up where she left off last season by not only holding a share of fourth individually at even-par 73 but also recorded an ace on the 150-yard par-3 15th.

The ace was the second of her career and second this year as she recorded the rare feat on the par-3

7th at Indigo Lakes on March 6.

"The pin was in the front and tucked in behind a hill and saw the ball rolling but it disappeared behind the hill and I said to coach that I thought it was the right club. I heard my parents clapping since they were up near the green. When I turned to coach, I saw mydad was really clapping and coach looked at me and she said 'I think it went in,'" Allen said.

It certainly was and the ace put her back to even after

entering the hole at 2-over-par for her round, and the adrenal high kept her focused as she parred out to finish even on the day.

Junior Autumn Gee also had a strong first outing for the Eagles posting a 78, while newcomer Albane Flamant finished with an 81. Sophomore Anna Haller carded an 83, and Jocelyn Dunn recorded an 85 to round out the ERAU squad.

Visit www.avionnewspaper.com for updates.

WINTER PARK, Fla. - Embry Riddle's Mislov Hizak advanced to the finals of the Flight A Men's Singles Draw of the C.L. Varner Memorial Tournament with a pair of wins on Saturday. Hizak defeated Florida

Southern's Mike Knoedler (6-1, 6-1) in the third round and Lynn's Julien Carsuzaa (6-2, 6-0) in the semi-finals.

Hizak will take on second seeded Lorenzo Cava from Lynn in tomorrow's final.

Hizak also teamed with Konstantin Lazarov to advance to the semi-finals of the Flight A Men's Doubles Draw.

Lazarov advanced to the finals of the Men's Singles Back Draw.

Eagles' soccer has trouble with Bees and Warriors

"SOCCER," from Front

kick to ankle in the first half. Fadida then put a perfect shot past goalkeeper Ian Levine to tie the game. In the final minute of the game SCAD was again pressuring and was able to steal the game Kofi Boateng found himself unmarked in the Eagle box. He was easily picked out and had no trouble finding the back of the net.

SCAD coach John Rootes was thrilled at the victory over the No. 1 Eagles. "It was the first time we've beaten Embry-Riddle since I've been here. I think that they might have been a little down from the weekend," said Rootes. "They're a fantastic team, the best I've seen all season long. We kind of lulled them. It was our game plan to do so because they can pass the ball so well. If you try to pressure them, they'll move right around you."

With the second game of the week the Warriors from Webber International came to the Embry-

Riddle stadium. The game was defined by slow midfield play with each team showing small flourishes of speed. Webber almost capitalized on a defensive miscue and the Warriors were appealing for a red card when Levine took out a rushing Webber forward after Hugh Davey botched a header.

Both teams were able to score in the next flourish. In the 28th minute, Yoffe netted his 12th goal of the season on a penalty kick after midfielder Phil Middleton was taken down in the box. In the next minute Carl Sheard lofted a beautiful ball over the Warrior defense that connected with a charging Yoffe, who slotted it past Webber keeper Tony Restino. Four minutes later the Warriors took one back when a wide-open Bjorn Asbjornsson received an excellent pass from Alex Sesto and easily finished the play. At the end of the first half, the Eagles had a scare when midfielder general Daniel Whelan took an elbow to the face and had to

be carted to the locker room. He looked to be in rough shape but made a return in the second half.

After the break Webber stepped up the pressure and showed they were not going to be pushed around. They stepped up the pressure and it paid off in the 59th minute when a Webber forward was taken down in the Eagle box. Asbjornsson took the penalty and leveled the game. The game got ugly when Asbjornsson made a strong tackle on Thompson. The ensuing scuffle saw the referee pull the red card from his pocket after Hugh Davey head-butted a Webber player in the nose.

After Davey's sendoff, a gap in the Riddle defense was evident as the big center back is usually the Eagle's backline anchor. The Eagles were doing well being a man down until poor touch from Thompson, who was put in an unfamiliar defensive role, gave Asbjornsson a free run at the Riddle goal. His

third goal closed the game for the Eagles and ended a tough week for the men. Coach Gregson was stern in his comments to Embry-Riddle Sports Information after the game. "I'm extremely disappointed with the performance. Webber thoroughly deserved to beat us. But the whole of next week to start working on the things that got us to the top in the first place and I'm looking forward to getting back on the training pitch to correct a few things next week."

ERAU alumni and Warriors coach Jon Haworth was humble after the game. "The Riddle lads are the best team in the nation. Yeah, we won today. Fair enough SCAD won the other night, but they play the best kind of football. Dave is the best coach. I've got nothing but good things to say."

The Eagles will return to the pitch next Saturday, Sept. 30 against local rival Flagler and will stay at home for two more Florida Sun Conference games later in the week.



MENS' SOCCER DROPPED TWO key conference games after being number one in last weeks NAIA National Rankings. SCAD disposed of the Eagles the day the rankings came out.

ΛΧΑ assoc. members

Doing things big: a rush well done

Christopher Gomes
Lambda Chi Alpha

Welcome to week two of the Lambda Chi monologues. First and foremost is a topic of great pleasure to spread. With rush ending last week, all the fraternities have begun putting together their fall classes, and I hope the best to them. Lambda Chi Alpha has taken in 16 new members this semester. You will notice an absence of the word pledge in this article because we do not like the word pledge; "associate member" is more suitable, it flows off the tongue with professionalism. With 16 new associate members we hope to do big things on campus, starting with intramural sports. I, as well as the chapter, would like to personally extend congratulations to Shane Bertrand, Andrew Blass, Zach Duebler, Ben Stalheim, Ross Richards, Charles Llantén, Luis Cadena, Shane Cavanaugh, Joe Brown, Nathan Buske, JC Justen, Peter Colon, Alfredo Trejo, Nick



PHOTO COURTESY LAMBDA CHI ALPHA

Astorino, Sean Stanley and Glenn Martin. If you see any of these great guys on campus, know that they are in the beginnings of being part of the greatest fraternity on campus. To move on to a different topic, for those of you who are becoming interested in joining a fraternity but

are worried that your chances are over as soon as rush week ends, don't fear. Come talk to us, we are in open recruitment all semester long. After all, anything worth doing is worth doing right, so talk to us and we can open up many opportunities to you. Until next week, Go Green.

Sigma Alpha Epsilon

Nathaniel Gamache
Sigma Alpha Epsilon

The beginning of the semester for the fraternities around campus commences much earlier than Rush Week, which is everyone's first major event for recruitment. Everyone plans different events for potential pledges to attend and meet the brothers to see what fraternity life is all about. This year the brothers of Sigma Alpha Epsilon were

very motivated to have a successful rush, and because of this motivation we accomplished the goal. Of the 50-plus potentials that signed the interest list at Meet the Greeks and the Activities Fair, more than 25 came out to every event during the week. After all the hustle and bustle of Rush Week was finished and bids given out, we have initiated over 20 new pledges to ΣΑΕ and have more still interested in coming back in the spring to pledge. This weekend we held our Pledge

Retreat. Many of the brothers along with all of the pledges went to St. Augustine's North Beach Camp Resort. The pledges participated in many team building tasks and were taught songs and knowledge of the fraternity. They also learned the business aspect of the chapter and how it operates.

This upcoming Sunday, Oct. 1, we will be having our first highway clean up on Beville Road continuing our greatness of community service.



PHOTO COURTESY SIGMA ALPHA EPSILON

ERAU Ice Hockey Home Opener



PHOTO COURTESY ERAU ICE HOCKEY

THE ERAU ICE HOCKEY season begins Friday, Sept. 29 at 10 p.m. The Eagles takes on the USF Ice Bulls in a classic home opener rivalry. It's Freshman Night and ERAU Ice Hockey welcomes ALL freshman to come out and enjoy the coolest sport on campus. Fans are encouraged to check out the new website for updates and in-game specials at www.erauicehockey.com.

Chi Epsilon Pi

They are back in full force

Kerrin Bullock
Chi Epsilon Pi

The new fall semester brings new ideas as well as new people to Chi Epsilon Pi. The Meteorological Honor Society is proud to announce its newest inductees of the fall semester. The newest members include Sophomores Nance Burgin, Austin Nasca, and Christen Kochanowski, Junior Bryan Clauss, and Seniors Kerrin Bullock and Thomas Kiley. Selection is based upon five ideals: scholastic ability, academic achievement, leadership, character and service.

Chi Epsilon Pi is the university's premier organization established to recognize students focused on academics and promises of achievement in meteorology. It's estimated that there are over 150 active members and over 1,000 alumni members from different universities across the country as far west as UCLA and as far north as Penn State.

Chapter membership not only recognizes academic achievement through meteorology but also challenges them to promote education through tutoring and provide resource programs to students interested in furthering their studies in the field

of meteorology. "This year is off to a great start," says President Craig Oldis, "and I'm very excited about what's to come."

The honor society has a lot of events in store for the upcoming year. The members volunteer their time to their fellow students through tutoring in the Weather Lab, Monday thru Friday from 8 a.m. to 6 p.m. for any meteorology area of concentration. "We also have a strong community involvement where we tutor and hold seminars at local schools to help encourage younger students to consider degrees in atmospheric sciences," says Vice-President Amanda Chambers. In January, Chi Epsilon Pi will represent Embry-Riddle Aeronautical University in the National American Meteorological Society Conference in San Antonio, Texas. "I thought last year's conference was a great experience. Everyone in Meteorology should try attending at least once," says current member and Weather Center Manager Megan Cox, who attended last year. "For example, I met a professor from the graduate school I wanted to attend and made some great networking connections."

It's still not too late for you to become apart of this National Honor Society. Spring 2006 inductions will be held early on in the spring semester, so be sure to check out the website at wx.erau.edu/xep or send an email to Secretary Jeremy Havlik at chiepsilonpi@yahoo.com for further information.

From the Flight Department: The Weekly Safety 'Coner'

Thunderstorms: Always an issue in Florida

The storm

Prof. Richard C. Bagby
Applied Sciences Assoc. Prof.

This is the story of a thunderstorm encounter that took place in Atlanta's airspace during hurricane evacuation in 2004. The author, Paul Rozek, is a former Embry-Riddle flight instructor and is now employed with Skywest Airlines as a first officer on the CRJ-200.

Having lifted my hand from the throttle I swiped the sweat on my palms across my pants. Dark gray clouds reached out at the airplane as if trying to pull me back into the storm I had just flown through. The clouds surrounded the airplane in a menacing eagerness with outreached tentacles and spidery fingers, but the aircraft had broken free of their grasp. Through new vectors from Atlanta Center, I could finally make out a hint of blue in the distance. I was flying back to my blue Elysium; I was flying back to a clear blue sky unmarked by storm clouds. As the "level two" reported storm slowly slipped behind, while enroute towards Huntsville, Alabama at 10,000 feet, I reflect the lesson learned.

The reasons for this incursion are as follows. Having no weather uplink in my brand new Cessna 172, there was no way of knowing the weather ahead. Having studied the prescribed forecast for my route of flight, there was no indication of adverse weather along the planned route of flight. Entering solid IMC conditions was very unsettling and

Atlanta Center was queried about weather conditions ahead. My concern heightened when I encountered slight turbulence, which was gaining intensity as the flight progressed. ATC was very busy due to the hurricane evacuation traffic and the storm that the Center had reported as "no big deal" gradually grew in strength. I was unable to maintain altitude and my altimeter jumped 500 feet up and down within a blink of an eye. I requested vectors away from the storm but Atlanta Center was busy monitoring other frequencies and traffic and did not reply. At this point the rain had gotten extremely powerful, as if I had deliberately flown my aircraft through a waterfall. The rain entered the cockpit through the air vents and dripped on my charts and paperwork.

This was only the beginning of what was yet to come. The engine sputtered, unable to receive enough air due to the rain. My heart sank into my chest. As the aircraft's RPM dropped below 1500, I instinctively added full power in a desperate hope to regain power. When the engine sputtered for a few more times before it went silent, a hopeless feeling fell upon me. What has felt forever but probably lasted no longer than a couple seconds made me transmit these horrified words into the sky: "Atlanta Center, NXXXER, I am going down!" Luckily, once the alternate air door opened automatically, the engine re-fired at its full strength and I had gotten full attention by the controller. I finally received the vectors which would lead me to safety and learned that the storm was now reported at a level three.

The life of a thunderstorm

Paul Rozek
Skywest First Officer

It's ironic that I've been asked to write something about thunderstorms and aviation safety as I finish my final semester here at Embry-Riddle. I wrote my first article on this subject while stationed at Hickam Air Force Base in Hawaii some 33 years ago. It wasn't for the daily convective activity over the Islands, but rather

for the aircrews who faced the monsoonal storms over Southeast Asia.

Pilots today must still deal with Mother Nature and her fury. Here at ERAU, our instructor pilots are well versed in the dangers of thunderstorms that spring toward the heavens on more than one out of every five days. They learn about thunderstorm dangers in several academic courses as well as annual refresher training required of all instructor pilots.

Thunderstorms form when warm, moist air is forced to rise in an unstable atmospheric environment. Here in the Daytona Beach area the mechanism that

forces air to rise most often is simply the sun warming the Earth's surface. By late morning that rising air will form puffy white cumulus clouds and by mid-afternoon, some of those will have grown into fully blown thunderstorms. The life cycle of these "airmass" thunderstorms is only 60 to 90 minutes. We don't fly general aviation aircrafts through these for a number of reasons: strong updrafts and downdrafts cause turbulence, heavy rain showers, lightning, and sometimes small hail. With ground-based and air-borne radar, areas of thunderstorm activity are readily identified and avoided.

Now that autumn is approaching, we in central Florida will experience cool down as cold frontal systems pass through to the south. These systems sometimes bring stronger thunderstorms, stronger gusts, larger hail, and even tornadoes. Lightning is always a danger if caught outdoors. The Interstate 4 corridor from Tampa to Daytona Beach is the lightning capital of the world. We should seek shelter in buildings or vehicles and stay away from corded phones, showers, and baths. One way to determine the distance to a lightning strike is to count the seconds from the flash to the boom; every five seconds is a distance of one mile.

What to do when you encounter a thunderstorm

- Stay at least 20 miles from any thunderstorm (especially anvill shaped cumulonimbus clouds) but if you happen to inadvertently get into one, here are some things to remember:
- Establish turbulent air penetration speeds
- Keep your eyes in the cockpit with a constant scan of your instruments
- Go with the flow of the turbulence, let the aircraft ride the waves
- Hold your course until you make it through the storm
- Keep your safety belt tightly fastened
- Make sure to turn your pitot heat on
- Don't make any abrupt turning maneuvers, it can over stress the aircraft

Interesting Thunderstorm Facts

- Severe Turbulence can occur within 10-20 miles of a thunderstorm
- Probability of lightning strikes is greatest when flying in temperatures of -5 to +5°C
- Remember, an increase in lightning usually means an increase in the storms intensity
- Severe Thunderstorms are considered storms with winds of 50 knots or greater and or three fourths inch hail
- More than 1,000,000 cloud to ground lightning strikes are reported each year in Florida

Safety Coner Contributors

Professor Bagby, Paul Rozek, Andrea Luethi, April Larsen, Ryan Hollenbeck, and Thomas Jensen.

Your

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

Student Government Association

School isn't easy, but don't worry ... We've got you covered.



Where does the money go?

Natalie Anaya
SGA Treasurer

Taking out loans, finding a job or two, and eating Ramen noodles seems to be the way some of us approach college and saving money. It can be a struggle to make ends meet while going to college, especially when tuition alone for a semester is \$12,500. Wondering where your money goes has crossed every student's mind at some point during their college career. I am here to explain. Every student on this campus is a general member of the Student Government Association. Therefore, when you pay tuition \$85 goes directly into the SGA fund which pays for more than just your coffee in the morning or Safe Ride on the weekend.

classes this semester, our budget is \$408,000. "Wow" is probably the word that comes to mind, followed by "Where does it go?" It starts from the moment you step foot on campus your freshman year with the three SGA divisions sponsoring several events. Remember the illusionist and the hypnotist during the week of orientation? All of those events were sponsored by Touch-N-Go Productions, who are funded by the SGA. How does *The Avion* get their



Natalie Anaya
SGA Treasurer

money to publish the paper? SGA helps fund a portion of their budget. What about Eagles FM? One more time, it's the SGA allocating your money.

from sports to engineering, aviation to business there is a club for everyone. These clubs get the opportunity to represent ERAU at competitions, tournaments, conferences and much more; they open the door for you to create the college experience that you want. Yet, again the question of money comes up when planning a trip to a competition. If you are involved with a club and organization you probably know that you can submit a budget to the

Student Finance Board, a branch of the SGA. With \$79,000 set apart to allocate to clubs and organizations we are able to help each club in some way, shape or form. I know this only explains a small fraction of where your money goes. However, throughout the course of the semester my goal is to inform you of where your money is going. Along with the rest of the SGA Executive Board, I have an open door policy and am more than willing to answer your questions.

“
Every student on this campus is a general member of the SGA.
- NATALIE ANAYA”

So now you are settled onto campus and want to get involved. With over 115 clubs and organizations,

Are you in...

Engineering-Physics Human Factors
Aerospace Studies ROTC
Communications Space Physics



Then You Should Come To The College of Arts and Sciences Forum

Tuesday, October 3rd at 7pm in the IC Auditorium

There Will Be:

- An Answer and Question Session
- A NASA Guest Speaker
- FREE Food!!!



Sponsored and Run by the Student Government Association and the College of Arts and Sciences

Free On-Campus Events

Brought to you by Touch-N-Go
Your SGA entertainment division

EVENTS

- October 2, 2006 (Monday)
Monday Night Football Game on Big Screen with a live band and free food (PHI DELTA THETA & TNG)
- October 25, 2006 (Wednesday)
Outdoor Movie on Big Inflatable Screen (Superman Returns)
- October 26, 2006 (Thursday)
Homecoming Student Talent Show
- October 27, 2006 (Friday)
Tailgate party and Homecoming parade
- October 28, 2006 (Saturday)
Big Show Comedian

MOVIES

- Stop by the IC Auditorium any Thursday at 8:30 for a free movie
- Sep 14- The Break Up
- Sep 21- X-men III
- Sep 28- Pirates of the Caribbean
- Oct 05- Thank you for Smoking
- Oct 12- You Me and Dupree
- Oct 19- Miami Vice
- Oct 25- Superman Returns (homecoming)(wed)
- Nov 02- Talladega Nights
- Nov 09- A Scanner Darkly
- Nov 16- Click
- Nov 30- Accepted

Student Court 2006 update

Patrick McNulty
Associate Justice

The Student Court is back in session for the 2006-2007 school year. We would like to extend our congratulations to our justices who were appointed last spring. Kerrin Bullock, an already familiar face in the SGA office, is a senior in Meteorology here at Riddle. She also is in the Air Force ROTC program and a student assistant in the SGA office. Ronnie Wilson is an Aerospace Engineering major and is involved in Omicron Delta Kappa Honor Society. Both of our new justices will bring a fresh batch of ideas and the utmost of integrity which will continue to help the Student Court grow. We have also appointed a new justice this fall. This justice will be named next week, and we are all very excited

to have this individual on board as well. The Student Court is also continuing many of the projects in which we have initiated over the years. The most notable is the parking warning placard program. With all the new rules and regulations of parking on campus this year, the placard program is proving to be extremely beneficial to the students by making them aware that they are in violation of a particular rule, to which we hope they will rectify immediately. Although we have designed the warning placard program to help warn students when they are in violation, please be aware that

if you receive three placards per semester, you will receive a \$10 fine. We have also been working closely with the Constitution Committee to iron out all issues with the SGA Constitution, to which we hope will be updated and ratified at the next SGA general session on Oct. 4. We encourage all of you to stop by the office if you have any questions regarding parking, rules or regulations here on campus. Our door is always open when a justice is serving their office hours, and we would love to have anyone stop by at any time. We wish all of you success this school year!

“
Our door is always open and we would love to have anyone stop by at anytime.
- PATRICK MCNULTY”

Heartwalk fights heart disease

Scott Haeffelin
SRB

Look at a clock. Watch as the second hand sweeps out 34 of the small ticks along the perimeter; dead. Continue to watch the clock and wait for the second hand to sweep out 34 more seconds; dead. Every 34 seconds, an American dies from heart disease, totaling almost one million Americans that die every year. It should be no surprise from that number that heart disease is the number one killer in men and women. Many of you have probably had family members and friends that have been affected by either a heart attack, stroke, diabetes or other related diseases. If you don't

know anyone that has been affected yet, chances are that you will soon. Help these people dear to you and millions of other people that are affected with heart related diseases by taking part in the American Heart Association's annual Heart Walk on Sept. 29, 2006. Events start at 5 p.m. with the actual walk starting at 6 p.m. Your SGA would like to invite and encourage you to join the SGA team, representing the student body and university at this philanthropic event. Walkers are not required to donate, but a

simple five, ten or 20 dollar donation from every person adds up to a large sum of money which will be used for research to help saved our loved ones. If you are unable to come out for those few hours that day, donations are another way in which one can help. If you are interested in walking, sign up by simply going to www.erau.edu and clicking on the Heart Walk link and it will direct you to the appropriate place. If you have any questions, please also feel free to email me at haeffffe@erau.edu.

“
If you don't know anyone that has been affected yet, chances are you will.
- SCOTT HAEFFELIN”

How to get your club funded

Ryan Hattan
SGA Editor

Who can I ask for money for my club? Both the Student Finance Board and the Annual Fund currently allocate money to students, clubs and organizations for events and activities. What is the Student Finance Board (SFB)? The SFB consists of six elected members and is chaired by the SGA Treasurer. They are responsible for the appropriate management and distribution of revenue generated by the SGA fee. Where does the SFB get the money they allocate to clubs? This money comes from the Student Government fee collected from all students at the beginning of the semester. From the total amount collected, the board allocates money to the SGA divisions: Touch-n-Go Productions, Eagles FM, and *The Avion*. The remaining balance is evaluated for club budget funding. What is the Annual Fund? The annual fund is money donated to the school that is undesignated for any certain project. Money from this fund is allocated by a board on a proposal basis. How do I request funding from the SGA? First, attend the student activities club orientation meeting at the beginning of the semester to obtain important information including due dates concerning budgets. Second, set goals and activities for your organization and establish a budget for that

semester. Third, turn in your budget by the assigned deadline. Be sure to include any pertinent documentation needed to clarify your budget request. Fourth, attend a budget interview with the SFB to answer any questions about your budget. Fifth, turn in receipts and all three required signatures. And sixth, your request should take about two weeks. As soon as the SGA receives your money, we will place a notification in your club mailbox. Important information to know: a certain amount of money is set aside at the beginning of the semester for "Emergency Items." Throughout the semester this money becomes available for clubs and organizations. If your club needs additional funds for last minute, unbudgeted events, please make an appointment with the Treasurer to meet with the SFB. Before you submit your budget, there are some things you should consider. If your club conducts "high cost" activities, consider increasing dues to help cover your club's costs. Consider recruiting more members into your group to increase collected dues. Fundraising will not only help your account balance, but it can also serve as a team building activity for your organization. How to obtain a budget packet:

budget packets can be obtained from the SGA website under the documents section or in the SGA office at the beginning of every semester. How do I apply for funding from the Annual Fund? First, a person from your organization must speak to the Director of the Annual Fund before applying for funding. Please call (386) 323-8953 to make an appointment. After speaking with the director, you will be given an application. The application must include a detailed description of your organization, the reason for requesting funds, a copy of your club budget, and documentation of any fundraising efforts. And finally, turn in an application. You can bring your completed packet to the Phone Center at Mod-5, which is located behind the ROTC building and beside the tennis complex. Keep in mind that funding from the Annual Plan takes time, so plan ahead and allow at least a month for processing. If you would like more information regarding organizational funding, please stop by the SGA office and pick up an information packet or you can contact the SGA Treasurer, Natalie Anaya, at sgatres@erau.edu. This article was adapted from the "Your Guide to Club Funding" pamphlet located in the SGA office.

“
Fundraising not only helps your club account, but team building as well.
- RYAN HATTAN”

Walk

Change tomorrow. Today.

Is a proud supporter of

Heart Walk

Embry-Riddle is helping the American Heart Association fight the nation's leading causes of death by participating in the Heart Walk. Step out against heart disease and stroke by supporting our efforts. Join in at 5:00pm September 29th at 250 N Atlantic Ave for a day of fun, food, and beach sun to support this great cause.

Alumni: ERAU sells it straight

ERAU provides opportunities for success, not golden tickets

Have you ever seen "Willy Wonka and the Chocolate Factory" or its more modern remake? If so, you probably recall that the story basically revolves around a renowned chocolate maker who for the first time ever is willing to open his factory to a few lucky individuals who find one of the golden tickets inside one of Wonka's chocolate bars. Towns around the world erupt in mass pandemonium as they buy candy bar after candy bar frantically searching for one of the extremely rare golden tickets.

My friends, who was the real winner in Willy Wonka? Was it Charlie or one of the other people who happened to find one of the rare golden tickets? Or was it the Willy Wonka Chocolate Company who probably experienced record sales and revenues from implementing a creative marketing strategy that effectively generated mass-appeal for their product?

My guess is that if you are of the same mindset as our fellow graduate from years back, you probably view Charlie as the winner. But if you are someone who is not look-

ing for a golden ticket through life but rather is someone looking for an opportunity, then I think you would say that Willy Wonka was the winner and that the marketing team for Wonka's Chocolate company probably deserves a nice bonus for their hard work that paid off handsomely.

My friends, the simple fact is that life has no golden tickets and if you are constantly searching for them, I believe you will be sorely disappointed. Conversely, if you spend your time and effort looking for opportunities in life, you will reap the rewards of your hard work.

Embry-Riddle never guaranteed me or any other graduate high levels of success. But they did guarantee me the opportunities needed to be ready to earn success. They provide excellent professors, first-class facilities, cutting-edge technologies, and a career-resource center that offers internships and co-ops that unquestionably help its participants to advance their careers in a very timely fashion.

So are you willing to put in the time and effort to master your field? Will you accept nothing short of

success? Will you study hard and challenge yourself to graduate at the top of your class? Will you join clubs and organizations with the intent to LEAD? Will you spend your free time networking in your field? Will you demand excellence in everything you do? If so, you probably don't need to find a golden ticket. Chances are, it will seemingly find you! But that will be largely determined by how much sweat equity you are willing to put into your life and your career.

This world is huge and opportunities abound. Yes, I've been fortunate. Yes, I've caught a few breaks. And no, I won't read blogs written by negative-thinking people FOR negative-thinking people. I'm an optimist. People who say no to me are merely providing me a challenge that I WILL overcome. I will not allow my future to be determined by others. I will not allow my life to run on someone else's schedule. But I WILL work hard. I WILL take responsibility for myself. And I WILL succeed. And my friends, if you stop looking for golden tickets and instead start searching for

opportunities, there is no question in my mind; YOU will succeed, too.

Korry Franke entered Embry-Riddle in August of 2000. He worked for Embry-Riddle as a part-time flight instructor from the Fall of 2001 until his graduation in 2003. He completed two unpaid internships with Atlantic Coast Airlines and with Continental Airlines. Following December 2003 graduation (one semester early), Korry's first job paid a \$14,000 per year salary as a flight instructor/charter pilot in Virginia. He then gained employment in July 2004 with American Eagle Airlines where he flew the Saab 340B and then later the Embraer 135/140/145 Regional Jet. In March 2006 Korry gained employment with Continental Airlines as a pilot and currently flies the Boeing 757 and 767. He has been to Europe 16 times since June 1 as well as Aruba, Hawaii and several domestic destinations. He is 24. He believes unquestionably that without Embry-Riddle, he would not be realizing his dreams today. You can do it, too!

~Korry M Franke, Class of 2003

Career success is a choice each student has to make

I would like to throw my two cents in on the argument presented over Embry-Riddle's immoral behavior to cover up the realities of the industry and encourage students to knowingly fail. Let me start by telling you how the University has "failed" me. I turn 24 years old next week. I graduated Embry-Riddle less than two-and-a-half years ago and I have already been hired by the fourth largest airline in the United States. How was I able to achieve this in such a financially bleak and misleading industry? How did I cross the "rotting bridge" from graduation to airline job so successfully? The answer is with hard work, good fortune and the opportunities and experiences that could have only been offered to me by Embry-Riddle.

During my four years at Riddle, I will admit, I do not recall the weekly articles in the newsletters written by the school's leaders telling me what a poor decision I had made to attend

the University. I do not recollect my instructors telling me before each lesson just how pointless and futile his efforts and mine were in becoming successful in this industry. I guess some who attend expect to hear this. And if they don't hear it, they feel the University is being misleading. Me personally, I prefer to know that my efforts can be rewarded. I would rather have the University feel confident in their trade and provide encouragement that I CAN make it.

Is it immoral that Riddle does not actively discuss unsuccessful students with those who dream of making it? I don't know. Is it immoral for Weight Watchers to focus on those who have lost weight with their program over those who have not? The bottom line is Embry-Riddle is a business, a business focused on positioning people to reach their goals. But just as Weight Watchers can't force you to exercise and eat right, Riddle can't force you

to work hard, study, and remain committed.

Let's face it - do you honestly believe that every person that sits in your class will be (or should be) successful? Some who go to Riddle think that because they have paid a lot for their education, the school should guarantee their success and a trouble-free career. In reality, the only person that can ultimately ensure your success is yourself.

The airline industry is not for the weakhearted. It is dynamic, difficult and requires experience that must ultimately come from other parts of aviation that may not be as well paid and glamorous. This is no secret - it's painfully obvious to anyone who does research before choosing this career. Clearly, many face these challenges after graduation and do not overcome them. I have several friends myself who graduated from Riddle with aspirations of flying for the airlines but over time grew tired of "paying their dues." They found

jobs they preferred doing instead; some that have nothing at all to do with aviation. Did the University fail them? No. It was merely a choice they made, just like the choice you made to attend ERAU.

And a wise choice it was. You have opportunities at Riddle that most schools do not have, particularly in the field of internships. I encourage everyone to work hard and make themselves competitive for opportunities like these. They are really the key to securing an immediate edge to your competition in the field.

If Riddle had told me that many who attend do not make it to the airlines, would I still have attended? Absolutely! Flying is the most fulfilling thing in the world for me to do. Being told that many do not make it simply would have strengthened my resolve to beat the odds. And now that you know, I hope it strengthens yours!

~Dan Voss, Class of 2004

Stand Up! Clinton on fire, and mandates gone wrong

This week we are going to have a sort of grab bag of topics since I would like to hit all of them. First, former President Bill Clinton appeared on Fox News this Sunday for an interview and it is an excellent piece. You can find the clip on thinkprogress.org, and it is probably the most candid and stern I have ever seen Clinton, so it is definitely a must see.

The second topic falls into the irony category. Fruit tree growers in the west and northwest are suffering from massive work shortages as a bumper crop of fruit is ripening. Many growers are pointing to increased border security and restrictions, which are leading to a decrease in migrant and immigrant workers. Also, the rebuilding of the southeast is taking many workers away from the west. According to an AP article, pear growers in California estimated losses in the millions of dollars because of unpicked fruit. Some estimates put the amount of unpicked fruit at 30 percent in one county of California.

Growers are also suffering because of the high wages they are being forced to pay. Growers are paying higher than normal wages to try to scrounge up any workers they can. It will be interesting when these increases in production costs and decrease in quality have their affect on consumers. When we have to pay more for fruit vegetables and farmers are losing money, and there will be an outcry of "why won't the government fix the problem?" Our obsession with border security is affecting everything, as anyone who had

a clue knew it would. It will be funny when that day comes, and I will laugh.

Our third topic falls into the Federal mandates that bankrupt states department. The REAL ID act that was slipped into a military spending bill will require every person in this country to get a new federally sponsored driver's license after May 2008. If you do not comply you will not be able to fly on an airplane or receive any government benefits. The problem with this is a report is projecting the costs for the Federal government is only giving the states \$20 million apiece. I believe we have a problem.

It is amazing how the Federal government thinks it can send mandates to the states, not fund them, and think they can work. No Child Left Behind has worked real well at bankrupting

the states and doing nothing to help the education system in this country. The new IDs will not only mean higher costs to the consumers and people who need to get the IDs, but it will mean even longer waits at the DMV and no more getting a driver's license the same day. I have never been a fan of Federal IDs, too 1984 for me. But when you require someone to do something at least give them the means to do it. I just cannot wait to see how this plays out in two years when there are lines of thousands of people trying to get new IDs. It will be a joyous spectacle. I say break out the poppers now and start preparing for the festivities.



Chris Tezak

Columnist

No Child Left Behind has worked real well at bankrupting the states ...

-CHRIS TEZAK

Student Forum

The Avion asks: "If you could build something on campus, what would it be?"

-Compiled by Adewumi Adedoyin and Adam Wright



Matt Salvino
Junior
Aerospace Engineering

"A bar."



Jessica Chen
Senior
Aerospace Engineering

"Dorms with an attached parking garage."



John Reid
Freshman
Aviation Business Admin.

"Movie theaters that have current movies."



Phillip Reamy
Freshman
Air Traffic Management

"Cafeterias that are open all night."



Josh Chatham
Junior
Aerospace Engineering

"Full size football fields for intramurals."



Rohan Bhatnager
Junior
Aerospace Engineering

"A recording studio for bands to practice."

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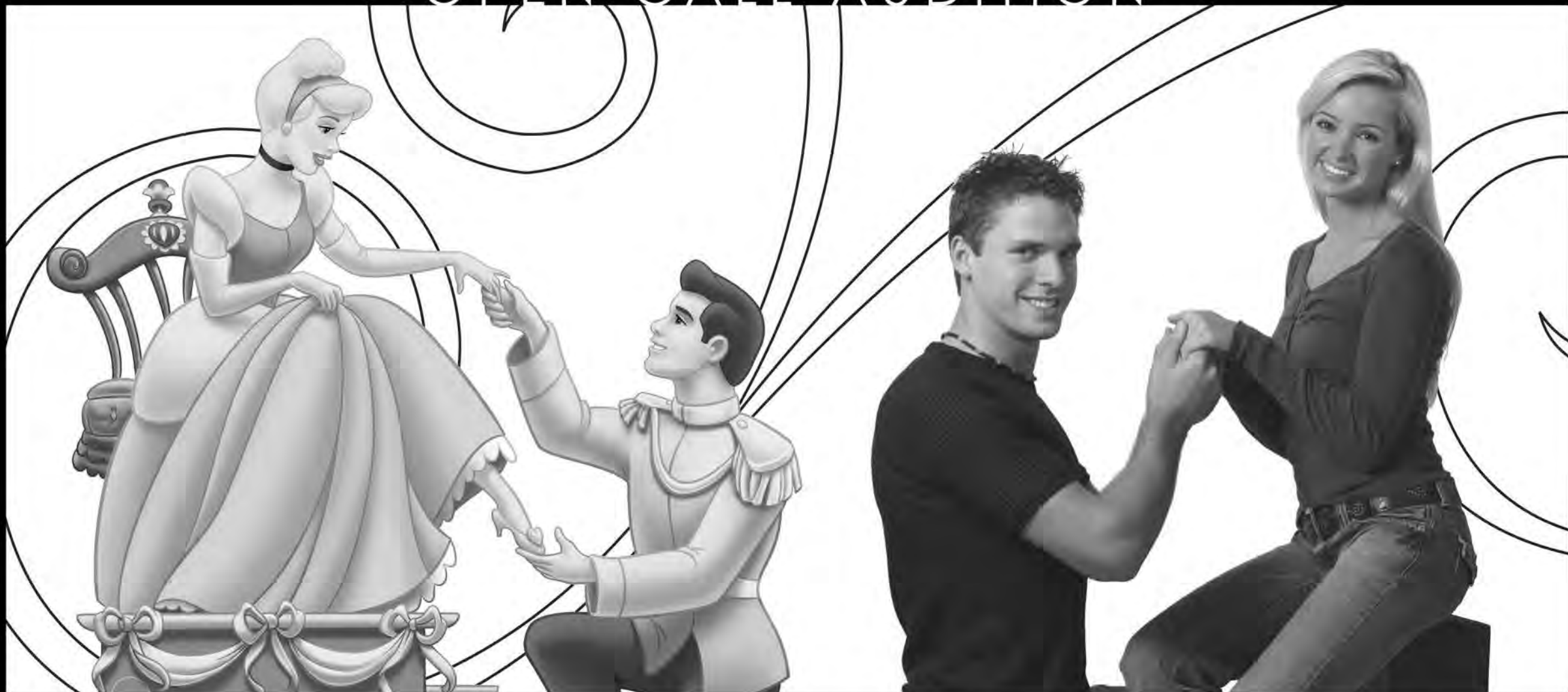
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AEROFLOT IS THE CENTER of an investment battle between the U.S. Boeing 787 and the European Airbus A350. Both companies want to provide for Aeroflot's new policy of adopting Western-designed aircraft for their transport needs.

Aeroflot-Boeing deal reached

Michael McGraw
Staff Reporter

The drama of the Aeroflot long-haul mid-sized plane order thickened this past week. With the company facing political pressure from both inside and outside Russia to choose between the Boeing 787 and the Airbus A350, an Aeroflot shareholder stepped in and purchased 22 Boeing 787 airliners, which were set to be sold to other companies if no deal was reached.

The deal has reached far beyond the corporate boardroom and turned into a political jumble as Russia tries to ally itself closer to both the United States and Europe in the aerospace field. Russia and Boeing have begun building a partnership, and the country is currently in talks

with the United States on joining the World Trade Organization. However, Russia is also in discussions with several European countries about growing Russia's stake in EADS, the European aerospace giant under which Airbus is managed.

The two opposing sides have been pushing their country's products, suggesting that a deal could further relations with either the United States or the European Union, which has perked the Russian government's involvement in the decision. However, the potential political consequences of choosing one side over the other has left Aeroflot in a tight situation, and the Russian government in a lose-lose situation.

The deal reached with Boeing, according to the shareholder, is a

means by which the aircraft will be available on the original terms of the contract in case the Aeroflot board eventually decides to order the Dreamliner. Included in the terms are delivery slots beginning in 2010 and a \$10 million discount on each aircraft. Airbus would be unable to deliver the first A350 until at least a couple years after the first 787 becomes available to Aeroflot.

Aeroflot has been looking to strengthen its fleet of aircraft, transitioning from older Soviet designed aircraft to more Western-built aircraft. The airline recently approved the lease of 12 Airbus A320 aircraft, as well as the lease for six MD-11 cargo aircraft. The lease for 12 A320s is similar to a deal reached with another leasing company, which was also for 12 aircraft.

FAA's runway plan nixed

Michael McGraw
Staff Reporter

The Federal Aviation Administration (FAA) has pulled back its controversial plan to mandate new runway calculations for Part 91 (K), 121 and 135 operators set to go into effect next month. The new calculations included adding a 15 percent runway safety margin to landing distance requirements under certain runway conditions. However, the proposal met with stiff resistance from the industry due to the method through which the FAA was implementing the proposed changes.

Originally, the Agency had said that the new calculations were merely a "clarification" of existing regulations. However, airlines and operators, and particularly the National Air Transport Association (NATA), denounced the plan as an "abusive interpretation of the regulations," and accused the FAA of attempting to subvert the formal rulemaking process.

Under mounting criticism, last week the FAA issued Safety Alert for Operators, making the proposal "voluntary" while a formal rulemaking process is initiated.

The changes were proposed in response to the Southwest 737 that overran a runway at Chicago Midway Airport in a snowstorm last December, which left one child on the ground dead. The icy runway, lack of current runway condition information, and lack of an acceptable safety margin in the landing distance calculations were all noted among others as factors leading up to the incident.

The new requirements also called for recalculating the landing distance margins "at a point in time as close to the airport as possible consistent with the ability to obtain the most current meteorological and runway conditions considering pilot workload and traffic surveillance." NATA, however, viewed the ambiguous wording as a "regulatory trap," fearing that pilots' decisions could be more eas-

ily subject to second guessing from FAA inspectors.

Throughout this past summer, industry leaders and representatives have been meeting with the FAA to discuss the benefits of the formal rulemaking process, which allows industry operators and representatives to provide feedback and input to guide the creation of the new regulations. NATA had even called on the Office of Management and Budget to intervene, saying that the FAA was overstepping its authority.

Despite the concerns over the means by which the new regulations have been introduced, some good has come from the proposal. Steve Brown, president of the National Business Aircraft Association, has noted that the FAA issued valuable information to pilots. He is particularly pleased that the Agency wants pilots to focus on the actual prevailing conditions at an airport, and not the "possibly more optimistic" forecast obtained before taking off.

Boeing 747 goes international

Bob Scheid
Chief Copy Editor

The Seattle Times reported last week that a modified Boeing 747 superfreighter made its maiden transoceanic flight from Taiwan to Seattle, marking a new era in Boeing's strategies and capabilities in the local and international production arenas.

The modified airplane, officially designated the 747-Large Cargo Freighter (LCF), was developed to ferry whole sections of the new Boeing 787 Dreamliner from its six main production facilities in Japan, Europe, and America to final assembly. Most of the riveting is being done in automated stations in Japan, as a way to reduce "touch labor" and therefore costs of production. The first two LCFs will enter service next year, with a third becoming operational in 2008.

The advent of the LCF is important because of what it means for companies in America and employees of Boeing. It is expected that the final assembly in Everett, Wash., will require about 1,000 machinists, less than half the number required for the 777. At the same time, Scott Carson, who was recently named as the new CEO of Boeing Commercial

Airplanes, emphasized that the company was going to remain a significant presence in the Seattle, Wash., area for a long time. Though the 787's example is probably going to be repeated in the future, Carson said, "The heart of our technical capacity... is here in Seattle and we would expect that to continue."

However, others feel that the plan is weakening Boeing and its employees at the same time. According to Stan Sorscher, a research analyst working with the union representing Boeing's

engineers, "This will be a very significant test case for globalization, for the outsourcing model. Aside from making the Japanese formidable competitors, we're made ourselves less formidable." In this method, Boeing can reduce its dependence on domestic workers (and workers in general, since the Japanese and Italian production lines are almost entirely automated with robots).

Analysts are saying that the situation could backfire in two major ways. If the global economy starts to suffer or the supply lines overseas choke, Boeing will have a hard time being able to adjust. Also, if the system works well, the company could lose a good portion of its in-house technical expertise and capability. In the past, the large technical base at Seattle and the amount of domestic monetary influence was enough to bypass or correct problems; outsourcing will remove those options in the future, if problems arise.

Despite the concerns, Carson stated in a speech to Seattle Rotary that they will "retain forever" the base of the company there, and that intellectual capital and the high-value jobs will remain nearby.

"This will be a very significant test case for globalization."

- STAN SORSCHER

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FAA to hire more controllers to fight shortage

Mijeong Yoon
Staff Reporter

In December 2004, the Federal Aviation Administration (FAA) announced their plans to hire about 12,500 air traffic controllers over the next decade. This was made in an effort to address the anticipated mass controller retirement; a result from President Reagan's firing of striking air traffic controllers back in 1981.

In 2004, Marion C. Blakey reasoned the plan was in place because "The previous policy of having one hire to replace one retirement doesn't work - it's that simple," to Washington Post.

During that year, she was confident on the administration providing funds to hire the needed controllers. However, by the end of the year, FAA managed to hire 13 while 500 controllers left for retirement, according to the Washington Post in late December of 2004. However, FAA stated in their updated plan that by May 2006, they have hired 1,075 controllers since January 2005.

With the updated plan, released in late August, Blakey assures in FAA's press release that "we are

focusing on all aspects of the process, including recruitment, hiring, training and staffing requirements."

Blakey also announced in the press release, "The controller workforce plan ensures that the FAA will have the right number of controllers in place at the right time to address the controller retirement bubble."

The plan relies on projected numbers so the FAA plans to update annually to reflect the latest changes

of traffic forecast and controller loss/retirements.

According to the latest updated plan, total loss of controllers to retirements, promotions, internal transfers, resignations, training failures, removal and death is projected to be a

little over 10,000 by 2015. Previous year's retirement data showed that 23 percent of the controllers are retiring within their first year of retirement eligibility. Recently, the FAA announced that it has over 3,700 controller candidates from various hiring sources.

The Washington Post stated that the controllers' union, National Air Traffic Controller Association (NATCA) said the shortage has put the safety of the air traffic system in jeopardy.

"We're happy to see this arrive, but we anticipate it is too little too

late ... the FAA is already behind the power curve, and the clock is ticking," NATCA's then President John Carr said.

He was supported by Rep. Peter A. DeFazio who criticized the Bush administration by saying, "The Republican Congress and the president have already caused great delay and compounded the problem. It is critical that they support the staffing increases outlined in this plan during the appropriations process so we may avoid the pending crisis."

Since then, according to their statements made in the plan, the FAA has made slow but good progress. They are implementing new practices, reassigning, facilitating various tools and even creating regulations to save the short list of staffing they have. This includes the SR 103 which was implemented in April 2005. This regulation gives FAA Administrator authority to grant waivers to the mandatory retirement age of 56 years for air traffic controllers. According to the report, as of January 2006, 16 waivers have been submitted and six have been granted.

To be able to physically train the needed controllers, the training facilities have been updated. This included completing the FAA Academy terminal simulation installations are at Chicago O'Hare, Ontario and Miami with plans to upgrade more to increase training capabilities. FAA also completed fully implementing AT-SAT examinations to include all graduating



PHOTO COURTESY FAA

THE FAA IS PLANNING to hire more than 12,500 air traffic controllers to replace shortages expected in the next 10 years. To accommodate this influx, more facilities are expected to be upgraded to handle the additional training load.

College Training Initiative (CTI) students, of which Embry-Riddle is a part.

According to the NATCA's press release in July 2006, the Senate

Transportation Appropriations Committee threatened FAA by proposing a \$100,000-per-day cut to FAA operations account for every day this report misses its annual March

1 deadline starting next year. FAA's contract with NATCA expired in 2003 which was extended for two years by both sides and is still in negotiations.

Congress considers F-22 production over JSF

Cutback could result in death of JSF

Bob Scheid

Chief Copy Editor

Congress is considering slowing or stopping early production of the F-35 Joint Strike Fighter (JSF) in favor of F-22 production, according to AviationNow.com.

The result of this is not clear, but the U.S. Air Force and Lockheed Martin suggest that the delay could cause the per-unit cost for the JSF to increase by up to 35 percent, possibly to as much as \$62 million apiece.

However, as the cost increases, Congress will be more and more likely to cut back or cancel the program. Already, the House of Representatives has cut \$140 million from the 2007 fiscal year JSF procurement budget, as well as \$72 million from the Air Force advance procurement and \$122 million from the Navy's short-takeoff-and-verti-

cal-landing variant.

House appropriators told AviationNow.com that they were providing four each for the Air Force and Navy, as well as four additional advance procurement for the Air Force. In addition, both the House and the Senate appropriated the full \$4.2 billion request for advanced research and development for the program, and both approved additional funding for the alternative engine development.

Most of the concern coming from Congress centers on production schedule conflicts with the F-22 Raptor and the lack of research

and testing of the F-35. The Senate bill's report said that "Buying before flying" is a known problem that can be avoided" by requiring an additional year of design finalization and adjustments prior to allocation of funds.

House appropriators also voiced concern over the "aggressive development and test aircraft production schedule currently planned."



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8:00 AM	The Godfather	Lucky NumberSlevin	EuroTrip	Rush Hour	Pride and Prejudice	Wedding Crashers	The Inside Man		
10:30 AM	Brick	My Fellow Americans	RV	Bowling For Columbine	American Wedding	AmiYville Horror	Failure to Launch		
1:00 PM	Adaptation	The Notebook	The Benchwarmers	Y for Vendetta	Troy	The Producers	Take the Lead		
3:30 PM	Death In Gaza	Dumb & Dumber	Lord of the Rings: 1	SilentHill	Wild Things	The Lord of the Rings: 2	United 93		
6:00 PM	The Godfather	Lucky NumberSlevin	EuroTrip	Rush Hour	Pride and Prejudice	Wedding Crashers	The Inside Man		
8:30 PM	Brick	My Fellow Americans	RV	Bowling For Columbine	American Wedding	AmiYville Horror	Failure to Launch		
11:00 PM	Adaptation	The Notebook	The Benchwarmers	Y for Vendetta	Troy	The Producers	Take the Lead		

Atlantis paves way for future aboard the ISS

Charlene Valerio
Staff Reporter

Space Shuttle Atlantis safely landed at Kennedy Space Center last Thursday, Sept. 21. It successfully completed its STS-115 mission of upgrading the International Space Station (ISS), the first assembly flight since the 2003 Columbia disaster. Atlantis' crew brought up and attached the second set of giant solar array panels which will provide a quarter of the station's power.

The shuttle touched down at 6:21 a.m. after a 12-day mission, where astronauts completed three spacewalks and installed the pair of solar arrays on the ISS to further increase power. The array will provide one fourth of the station's power once the ISS is complete.

The crew onboard the ISS was able to watch Atlantis reenter Earth's atmosphere as it streaked over the Gulf of Mexico. They told mission control there were "spectacular lightning flashes directly below the orbiter" and it was "really cool ... the glow of the orbiter itself getting dimmer, but the contrail's still very bright."

Atlantis' landing was delayed for a day after unidentified objects were found flying at the same speed with the shuttle. The objects were

later seen to be two rings and a piece of foil. The crew performed inspections during the extra day in space to see if any damage was done on the ship's thermal protection system and heat shield, and to make sure they would be able to land safely. After hours of unscheduled work, NASA managers had cleared Atlantis for landing.

Since the Columbia disaster, NASA increased fail-safes and redundancies to decrease the likelihood of debris. Debris was the main reason of the disintegration of Columbia when it had caused undetected damage on the shuttle, just prior to landing.

Brent Jett, commander of the Space Shuttle Atlantis commented, "This crew is a great group of folks, but you can't stay in training for four years, and train at a very high level ... So, I think that it was probably more of a challenge during the four years to prepare, bring the crew to a peak at the correct time for launch, and, I mean it all worked out."

The next space shuttle mission to further upgrade the ISS is scheduled for December, when Discovery on mission STS-116 will ferry a new, but much smaller truss segment to the space station. Discovery will also carry a SpaceHab module with supplies and experiments.

Atlantis' next flight will follow STS-116, and bring up the third

set of solar arrays. That mission, slated for February, will be nearly identical to STS-115.

Meanwhile, the day before Atlantis returned to Earth, another spacecraft was just beginning its mission to the ISS. Launched aboard a Soyuz rocket Sept. 18 were the two-man Expedition 14 crew and space tourist Anousheh Ansari, the first woman to pay the \$20 million price tag to the Russians for a 10 day trip into space.

The Expedition 14 crew, consisting of American astronaut Mike Lopez-Alegria and Russian cosmonaut Mikhail Tyurin, will remain on the ISS until next March, joining Thomas Reiter of the European Space Agency who arrived this past July. Reiter will return with Discovery in December, replaced by another American, Sunita Williams.

Ansari, who gained fame by donating the majority of the money presented toward the X-Prize competition, is scheduled to land with the Expedition 13 crew this Thursday.

There are now 15 space shuttle flights remaining on the manifest through 2010, with the option of adding two more at the end before closing out the program. One of those 15 flights will be to upgrade the Hubble Space Telescope, while the rest will be towards completing the ISS.



PHOTO COURTESY KSC.NASA.GOV

SHUTTLE ATLANTIS GLIDES IN towards a pre-dawn landing at the Kennedy Space Center's Shuttle Landing Facility Thursday. Atlantis and its crew of six successfully attached the second of four giant solar array truss sections to the International Space Station, and restarted its construction for the first time since 2002.

Space elevator rising from science fiction to sci-fact

Luca Cernuschi
Guest Reporter

After last week's shuttle mission, scientists from around the world are looking with increased interest at an innovative way of reaching orbit: the Space Elevator.

Previously only considered a product of science fiction and imaginative thinking, this new concept is gradually earning the appreciation and respect across the scientific community, particularly so thanks to most recent breakthroughs in technology.

This "vehicle" would need to travel along a cable, counterbal-

anced by an object in geostationary orbit, up to the desired altitude, much like a regular elevator would function.

This was considered unfeasible until lately due to preoccupations with the cable's strength and weight, but nanotechnology's most recent offspring seems to provide a solution to that problem.

Carbon nanotubes consist essentially of layers of graphite lattice rolled together to form macroscopic strings only a few nanometers in diameter, with a relatively negligible weight and a strength bettering that of regular steel wires by over 20 times.

Also of significant aid to this project is the undergoing con-

struction of machinery capable of weaving these cables the required length, one of the order of 62,000 miles.

Dr. Bradley Edwards of the Spaceward Foundation, an expert on the subject of space elevators, told CNN that he believes these new advances will make this project not only probable, but also profitable.

His proposal would involve sending up an initial ribbon through a deployment satellite, and then use robotic climbers to add on this until the cable is of the desired width, that is, around one meter.

According to Edwards, these climbers could be powered by a

laser system developed by Boeing, a solution which would not require too much adaptation from that which has already been used for similar purposes by the space shuttle.

Regular solar panels on the robots' surfaces would be used as the recipients of these beams.

This elevator would drastically reduce the costs of sending equipment into space, limiting this to approximately \$100 per kilogram as opposed to the \$40,000 it costs today, in so doing granting more countries access to space and, in turn, favoring the improvement of their economy.

Additional benefits would include more serene take-off

experiences, which would inevitably promote the growth of the space tourism sector, and a major reduction in the costs of building additional elevators in the future.

NASA, too, has taken an interest in the project by funding Edwards over the past three years, but remains wary of using this system to replace the shuttle.

"We continue to offer moral support to Edwards and his space elevator project, but currently there are a number of details that we'd still like to see worked out," Robert Cassanova, director of NASA's Institute for Advanced Concepts (NAIC), told CNN.

Considering that the Space

Shuttle budget hovers around \$16 billion annually, with a single launch priced at an average of \$500 million, NASA's reluctance to use unproven technology can be comprehensible, but nonetheless Edwards is optimistic.

"Commercial development and private funding is crucial to the future of space exploration," said Edwards.

"The space elevator would make space accessible for so many more people, so we believe the funding will come once the benefits are realized. Once we've proved the technology works, we firmly believe that the project will open up space for generations to come."

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Strange new planet could belong to new class

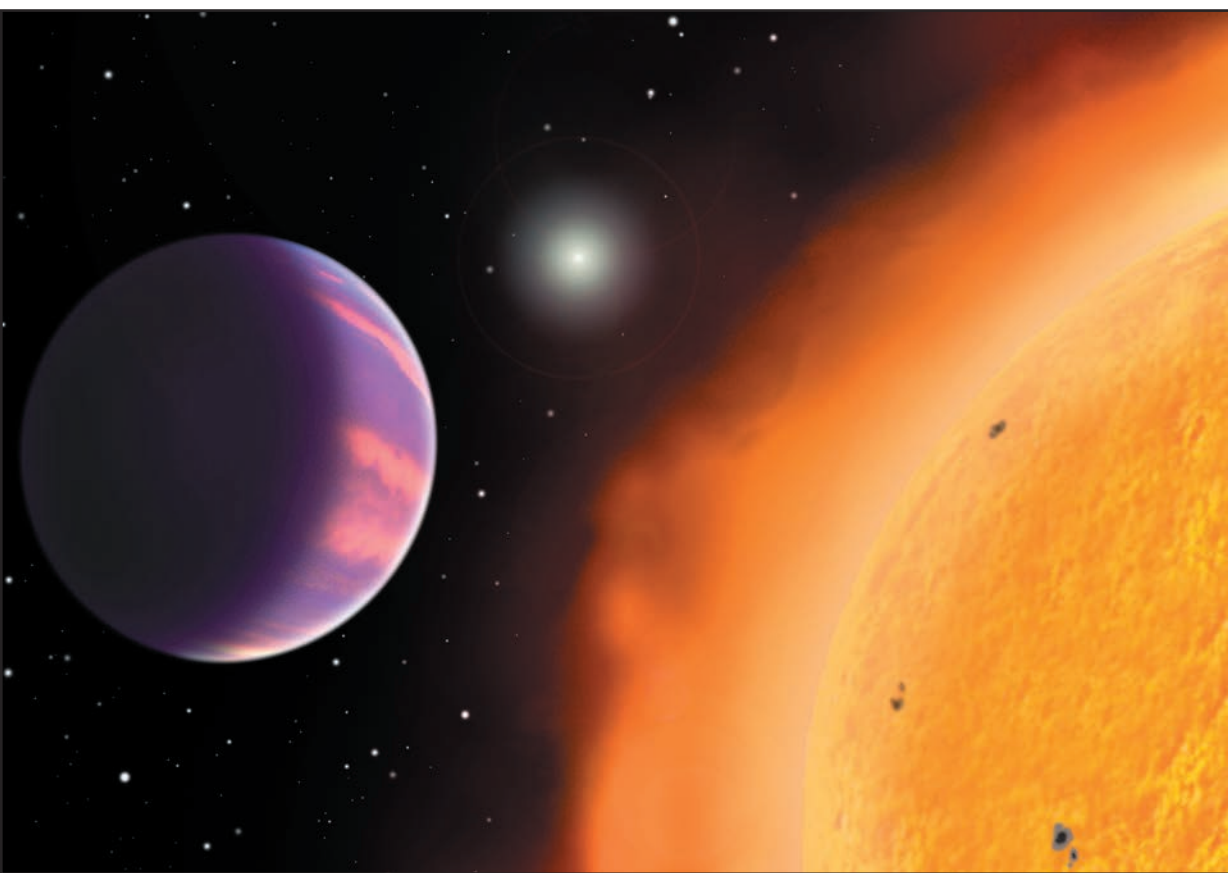


PHOTO COURTESY CFA.HARVARD.EDU

AN ARTIST'S DRAWING DEPICTS the newfound planet orbiting its host star. Designated HAT P-1, the planet has a radius larger than that of Jupiter but has far less mass than our solar system's gas giant.

Planet huge, but light enough to float on water

Joseph Poznanski
Staff Reporter

Scientists made a startling discovery in the past few weeks; they have determined that a gas planet orbiting a relatively nearby star has such a low density, that the entire planet would actually float on water, much the same way as cork does.

This planet, dubbed HAT-P-1, is about twice as wide as Jupiter, yet only has half the mass, a conundrum scientists are still struggling to understand. The

current planet formation theory does not provide for the creation of such a planet, yet this is the second such planet to be found, showing the event is not a fluke.

"We could be looking at an entirely new class of planets," Gaspar Bakos of the Harvard-Smithsonian Center for Astrophysics said in a news release on Sept. 14. "The planet is about one-quarter the density of water."

HAT-P-1 was found 450 light years away when it passed in front of the star it orbits, and the automated camera/telescope system named HAT was able to view the event. Scientists then were able to calculate its size and density from the curvature of the light around the planet; such an event is called a "transition."

Scientists believe that an element of heat may be causing this phenomena of planetary swelling. Despite the fact that the planet orbits closer to its sun than those of this Solar system, scientists are uncertain as to the exact cause in this density/mass disparity, as the heat from the star was calculated to be insufficient.

Astronomers will also continue to monitor the planet to see if tidal heating is what has caused the planet to "puff up." But so far, that theory has not held up.

The answer to this question could lead to a new star and planet formation theory that could fully explain how a planet larger than Jupiter could have a density one-quarter that of water.

“
We could be looking at an entirely new class of planets.
”
- GASPAR BAKOS

ESA aims for private sector

Space tourism progresses in Europe

Charlene Valerio
Staff Reporter

Space tourism may be another path that is being taken in the future of space travel. The European Space Agency (ESA) has begun a program called "Feasibility of European Privately-funded Vehicles for Commercial Space Flight."

The program is directed toward private aerospace companies in Europe to call for proposals to further the progress of space tourism.

The topics companies can explore range from a vehicle or structural design to developing a business case. The deadline for these proposals is scheduled for Sept. 22. After evaluating proposals, they would award up to three companies with contracts valued at approximately \$190,000 to further develop their plans.

The program is funded through the space agencies' General Studies Program, and headed by experts in the ESA Launchers Directorate.

David Vivanco, a technical assistant to the ESA, said that a motivation for the ESA to establish such a program was so that they could "identify potential synergies in terms of technologies between space tourism vehicle development industry and ESA's technology programs."

This is not the first time that the ESA has researched reusable

vehicles to be used for space tourism. They had begun their research in 2004 where they assessed the "space adventure evolution," which was funded from the General Studies Program.

In 2005, ESA's Advanced Concept Team evaluated private space ventures, and earlier in 2006 they began a study called, "Future High-Altitude Flight - An Attractive Commercial Niche?"

Calling for private companies is the first time they asked anyone outside the ESA to provide their plans.

With emerging private companies devoted to the space tourism sector for aerospace, as well as U.S. activity in the field with the flight of SpaceShipOne, Europe is beginning to ramp up space travel prospects.

"I am looking forward to seeing the results," Vivanco said.

Upcoming Cape Launches

As of press time, liftoff of a Boeing Delta 2 rocket with the second modernized (and fifteenth replacement) GPS satellite was still set to have launched Monday afternoon. The launch was pushed back one day, from Sunday, after a hydrazine leak was detected and repaired on the rocket last week. Meanwhile, the following GPS launch has been announced and is set to launch as early November 14, pending the outcome of this week's launch.

The next launch of the space shuttle, currently slated for December 14, may move up a week to December 7, shuttle program manager Wayne Hale said last week. While already planned to be the first night launch since 2002, with a T-0 time of 6:55 p.m. EST on the 14th, moving the date up would secure that likelyhood even more. Liftoff on the 7th would come at 9:38 p.m. This would also mean the alteration of the date of an Atlas 5, currently slated for December 7 as well.

(was) Sept. 25 Delta 2 Next GPS sat. Launch time: 2:50 p.m. EDT 14 minute window	Dec. 7 Atlas 5 STP/Orbital Express Air Force experiment	NET January Delta 2 Next GPS sat. Launch time: TBD
NET Oct. 25 Delta 2 NASA's STEREO Twin solar-monitoring craft Launch time: TBD	NET Dec. 7 Space Shuttle Discovery STS-116 / ISS flight Launch time: 9:38 p.m. EDT First night shuttle since 2002	NET Jan. 31 Delta 4-Heavy Last DSP satellite Launch time: TBD
NET Nov. 14 Delta 2 Next GPS sat. Launch time: TBD	NET Jan. 15 Delta 2 NASA's THEMIS Five Earth-monitoring craft Launch time: TBD	NET Feb. 22 Space Shuttle Atlantis STS-117 / ISS flight Third set of giant solar arrays Launch time: TBD EDT

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'Flyboys' will fall in love with this great flick



Flyboys



Curtis Ewbank
Staff Reporter

Escadrille as a group of new Americans eager to fly and fight arrives in France. They train, go to battle, drink, and fall in love with the local girls; things fighter pilots generally do in movies.

The main characters are introduced rather quickly in the movie, each one being presented in a situation explaining why they are going to war. While the characters do not correspond directly to real people, they are amalgamations of real people from the Lafayette Escadrille. The exception is Eugene Skinner, whose real-life counterpart Eugene Bullard was the world's first African-American fighter pilot. It is rather clear that James Franco as Blaine Rawlings will be the main character. Rawlings is developed the most throughout the movie, and Franco does a good job of portraying him. The other major stand out in the acting realm was Jean Reno as Capt. Georges Thenault. Thenault respects his pilots, yet works to ensure they know he is superior to them, and the result is entertaining to watch. The rest of the cast does not particularly stand out, but they successfully support the movie.

Naturally, several dogfights occur throughout the movie. The Lafayette Escadrille flies Nieuport 17s; the Germans all fly red Fokker triplanes. The producers acknowledged the historical error (the Germans rarely flew red triplanes), but the error makes following the dogfight action easier. "Flyboys" does an

excellent job of conveying the fragility of the aircraft and the level of exposure of the pilots in their open cockpits. Tracer bullets race through the sky, tearing holes in airplanes, pilots, and starting fires. One also cannot forget the hint of chivalry left during the dogfighting era as squadronmates chide each other for shooting down pilots and opponents salute when one's guns jam. The movie's producers were careful to include several aviation details in the movie, such as the use of streamers to identify the squadron leader.

In between the action there is drama. Much of it revolves around the Escadrille and their reactions to flying and fighting. However, there is also a love story as Rawlings takes interest in a French girl, providing some light-hearted relief from the deadly action. The drama is not top-notch, it could have been better scripted and more poignant, but it is realistic and entertaining.

Overall, "Flyboys" is a fun, entertaining movie. It certainly is a good movie for aviation buffs. At its premiere at EAA Airventure in Oshkosh, it received several standing ovations. Bob Hoover said it was the best aviation movie he had ever seen. While I would not go that far, it was very good. It is not an epic war film, it could have been better scripted and had more forceful acting, but it was enjoyable and worth my two hours.

Editor's Top Picks



Coming Home
New Found Glory



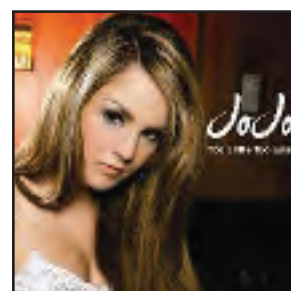
The Dutchess
Fergie



Into The West
Pilot Speed



Love You Lately
Daniel Powter



Too Little, Too Late - Single
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'The Black Dahlia' is disturbing



The Black Dahlia



Erin Roberts
Guest Reporter

ent, and lengthy.

It's January 1947: Los Angeles is experiencing a post-war boom, the city is full of Hollywood hopefuls, cigarette smoke fills the air, and fedoras cloak the heads of men. On the 15th day of this month, one of the most notorious unsolved Hollywood murders was committed. She was called the Black Dahlia, a young girl, dressed in black, hoping to become the next big actress. Found in an abandoned field by a mother pushing a carriage, she became the focus of two detectives obsessed with finding her killer. Regardless of the countless hours of effort put into her case for over 50 years, Elizabeth Short's murderer has never been found, and her story remains unsolved.

Brian de Palma's version of this story goes a bit differently. Trying to create a pseudo-period-piece, film noir atmosphere, de Palma falls short of creating the murder mystery movie of the year, or even month.

Josh Hartnett as Officer Bucky Bleichert and Aaron Eckhart as Sergeant Lee Blanchard are the literal fire and ice of the L.A. police force. The two are paired together in a boxing match in an attempt to raise support to pass a bond issue. Coined as Mr. Fire and Mr. Ice to represent their opposing personalities, the boxing match satisfies the voters, but leaves the viewer desiring more from the fight. In receiving the bond issue, Bleichert and Blanchard are granted promotions as detectives.

In the meantime, we meet Kay Lake,

portrayed by Scarlett Johansson. She is the third player in the awkward love triangle formed by Bleichert and Blanchard. Her role is not much more than the good-looking, worried, sweater-set-wearing housewife, and the threesome of these characters creates so much uncertainty and disorder it is only surpassed by the poor acting of all three players.

After the discovery of Elizabeth Short's body, the movie makes a turn for the worst, with confusion and abrupt changes in plot becoming very profound. The only saving grace is the addition of Hilary Swank as Madeline Linscott, the uptown girl with a taste for the lowlife. Swank brings a teeming amount of good acting to her role, and is ultimately the key factor in Officer Bleichert solving the case, and keeping this movie alive.

The fictional resolution of the murder finally comes out after what seems like hours of film. Even with the addition of blackmail, sex, and violence, the "whodunit" revelation just lacks in intensity and believability and leaves the viewer again puzzled.

While this movie does have some good moments of humor provided by Madeleine's crazy mother Ramona, who has quite a taste for the martini, and an impressive yet gruesome falling scene, "The Black Dahlia" failed in every way to be a movie worth spending any amount of time and money on. Save your \$8 and two hours and spend it on something worthwhile.

'Fearless' is awfully dramatic, yet dreary



Fearless



Joseph Poznanski
Staff Reporter

"Fearless" was hyped up to be one of the best "historical" martial arts flicks ever, in part to the claim that it would be Jet Li's final climactic film, but it didn't quite deliver as promised. The action sequences were superbly wrought, full of emotion and form, but the long gaps of overly dramatic and somewhat stilted "filler" scenes really bogged the film down. There were a number of times when the entire theater seemed to be shifting restlessly in their seats, wondering when the story would just "get on with it." Perhaps this restlessness is due to the difference between Western and Eastern mindsets, a theme the film

briefly touches upon; whatever its cause, it took what could have been a charismatic film and relegated it to the middle of the Hong Kong fighting film archive.

Jet Li plays "Hua Yuanjia," a Wu Shu fighter of some renown during the turn of this past century. "Hua" is unbeatable in his local province, and in the tradition of overconfident heroes everywhere, becomes excessively egotistical in his victories. He is cut down to size one night when he defeats and kills the previous champion on an alleged wrongdoing to one of his disciples, only to find out he was in error: his disciple had gotten drunk, insulted the man's wife, then earned a well-deserved beating for it. "Hua" finds out the next morning his mother and daughter are slain in retribution, and this sets him down the path of madness. He finds himself in Thailand, under the care of "Grandma" and "Moon", who show him of the way of the land, an idea that changes and heals him. Years later, he returns to China, and fights Western contenders to demonstrate China's strength against the invasive Westerners. This is loosely based upon a real historical figure, who ultimately founded the global Jinguwu Sports Federation we still have today. Pro-wrestler Nathan Jones makes an appearance, as does Japanese star Shido Nakamura, both of which play veteran, but honorable, characters.

Granted, the film was laced with platitudes and moral lessons; however, they are somewhat not effective enough, as the film leads the viewer on to Jet Li repeatedly battering his opponents, no matter what his justification (personal glory or an ideal). For a film with excellent martial arts action and lofty ideals but weak cohesion, this is a good choice, but most audiences will probably rather see something like "Crank."

Upcoming concerts in Orlando

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Oct. 20	Eric Clapton	TD Waterhouse	\$55.00
Oct. 21	Say Anything	House of Blues	\$15.00
Oct. 22	Sister Hazel	Hard Rock Live	\$15.00
Oct. 26	Method Man	House of Blues	\$19.50
Oct. 31	The Fray	Hard Rock Live	\$18.00

Wolfmother: in touch with the roots of rock

Maciek Majewski
Guest Reporter?

As a fan of classic rock bands such as Led Zeppelin, The Who, Deep Purple, and Black Sabbath,

I had been waiting for a new band to return to the roots of the rock we know today and blur the lines between modern playing and the style of those legendary acts. Rock music has been getting more and more creative during the last

few years, however I felt that the direction in which the bulk of it was progressing was simply in the wrong direction, leaving behind its roots and consequently leaving the soul that typified it throughout the years.

These feelings were reversed the first time I heard Wolfmother's first single, "Woman." I purchased their first self-titled album as soon as I could find it. I listened, and was nothing but amazed.

As a musician, I knew that this

trio from Sydney, Australia was doing something that no band of the 21st century had done before – blending the classic rock playing style with original songwriting and a sound that was incredibly powerful and fresh.

While their influences can be identified quite easily by listeners who were raised on the classics, Wolfmother have an amazing talent of retaining their own personal identity and a sound that can only be called "their own."

When I found out that the trio was playing at the Orlando House of Blues on Sept. 15, I purchased tickets without even thinking about it.

Within the first weeks of school, I arranged a group for the show with three other students. We did get lost a few times around Downtown Disney, but eventually made our way through the maze.

House of Blues, a new place for me, turned out to be the best concert venue that I had ever experienced. It is a very small place with a pit, elevated sections, and some tables around the stage. A place like that allows the audience member to be close to the artist and music-making process no matter where he or she is standing.

We got there just as the warm-up act, Mess Hall, a two-piece guitar and drums duo also from Sydney, were starting their performance. We found a place in the pit and the experience began.

I was really impressed by Mess Hall, a wild mix of classic rock sound and garage punk. I don't think

I had ever seen so much action from a group consisting of just guitar and drums. Their fast rhythmic playing did a fantastic job of getting the audience in the mood for what lay ahead. A 30 minute break followed, and excitement rose to a peak. Then the curtains separated...

Wolfmother took the stage amid a mess of smoke and feedback. Then the unmistakable riff of "Dimension" began. Immediately all of the audience members including myself began jumping and simply moving to the great music that was being made.

Then the trio continued with the swifty, unusually composed "Pyramid" and the fast, Who-style "Apple Tree." The incredible vocal range and powerful riffs and solos of singer and guitarist Andrew Stockdale, creative bass and organ playing of Chris Ross, and the flawless and dynamic rhythm of drummer Myles Heskett kept me in awe as the band played through its album, throwing in jam sessions in between songs.

The band went offstage after the fantasy-filled number "Tales" but returned soon afterwards to conclude the show with my favorite three numbers. The spiritual "Vagabond," rhythmic, Sabbath-like "Colossal" awed the audience once again, and the trio ended the show with the powerful epic of "Joker and the Thief." Cheers and clapping continued as the lights of the House of Blues came back on. It was a performance not to be forgotten and a band that has truly changed modern rock playing.



MACIEK MAJEWSKI/AVION

WOLFOTHER ROCKED THE HOUSE of Blues. The band's influence from classic rock is unmistakable. However, they are no cover band. Their own personality and style shines through their innovative music. One highlight of the night was Andrew Stockdale's riffs and vocals.

Rusted Root plays HOB

Justin Blake

Guest Reporter

Thursday night the group Rusted Root activated the dancing electricity at the House of Blues of Downtown Disney through a unity in diversity theme.

The eclectic crowd enjoyed hits from past records bellowed out by lead singer and guitarist Michael Glabicki. Everything from hits on their past albums, liked the gypsy-toned *When I Woke*, to newly incubated solo project tracks could be heard in the acoustics of the house.

Long jam songs with quick-change melodies showed the band's experience on the live stage. To draw the audience in tighter, stage production was kept on its toes, as the entire band interchanged a variety of instruments throughout the entire show. Their interchangeable musical capability is a recipe for a one-of-a-kind

folk-soul genre.

A successfully different genre noticed by the corporate giants, Rusted Root's most successful single "Send Me on my Way" holds as their mark as a pop-corporate success. The single was featured in the movie "Ice Age" and was also used to peak the energy level of the whole performance on this night.

Three-piece Trevor Hall opened up the 8:30 stage time, offering a unique blend of Matisyahu reggae and Dave Matthews tone. They managed to come off a little pushy on an image, but the rhythm was on point. Ben Jacobs locked down slick bass lines over the smooth beats of Chris Giraldi, proving they deserved previous touring with acts such as Jason Mraz and Ben Harper.

The venue played host well, offering quality sound and timeless décor to everyone. Friendly staff added comfort to the experience of the night. The hustle of the band gear game was in full effect

front and center in the lobby. The mosaic arrangement of creatively designed CD covers, packed in between cool logo T's, mixed with the steady tempo of exchanging money gave promise for a positive cash-flow evening for the retail team.

At the end of the evening I was musically pleased. Half of the crowd looked as though they were coming out to their last show and visually pregnant band members proved that the window of time for performing appearances for Rusted Root may be waning. The band is wrapping up its Florida leg of the tour and you will find them in Kentucky at the end of this month. Contact the band at www.rustedroot.com for all their latest news and tour dates.

If you think you might be interested in seeing a show at the House of Blues, contact their Downtown Disney box office at (407) 934-2583 or www.HOB.com to receive a calendar of events.

Silent Bob broke the silence

Don Macanlaly

Staff Reporter

A crowded wing of the Orange County Convention Center was all eyes and ears during *An Afternoon with Kevin Smith*, an event presented by the Florida Future Filmmakers.

The all day event began with a special screening of *Clerks* and concluded with a 2 p.m. Question and Answer session conducted by Kevin Smith himself.

For the next seven hours, Kevin Smith fielded any question given to him, many ranging from his relationship with Jason Mewes to jokes about his weight and industry perceptions.

The microphones placed at the ends of two aisles were symbolic of the accessible attitude of Smith. Anyone was welcome to ask a question.

Any question was fair game.

Suddenly, a young girl steps up to the microphone and thanks him for making movies.

"I don't make them for you," Smith said. "I make them for me. It's kind of like a cheap or expensive therapy, depending on how you look at it."

The ability to make those movies, as Smith further explains, can only be done if he turns the studio a profit. The industry has changed long since Smith's debut 12 years ago. Independent film now fosters more recognizable actors as opposed to Smith's relative unknowns.

After a dozen more questions, the session is interrupted by Smith's cellphone. Jason Mewes phones in to give the crowd a quick hello and answers a question regarding being banned from a city in New Jersey.

"I'm in the tabloids all the time," Mewes said, over the phone. "I've hooked-up. I've been dead. But

I'm not, so don't believe everything you [expletive] read."

The crowd roars with laughter and the next few questions get answered. Smith changes his tone on the final questions, however, as aspiring filmmakers give stories about being broke, having a baby or conquering writers block.

"I'm [expletive] touched, man," Smith said. "If you start something, you have to finish it, or you'll have a pile of half-finished crap."

He then finds out that the aspiring filmmaker with the baby on the way is only 22 years old.

"Holy [expletive], man," Smith said. "I thought you were like 32! What the [expletive] are you doing with a baby on the way? You should be out get laid by a bunch of different women."

By the end of the night, a round of 40 questions were answered. Some answers were serious. Some were crude. Yet, all of them were answered with honesty.

Student photographs of the week



DON MACANLALY



MELANIE PUGH

THE STUDENT PHOTO GALLERY is to be a weekly item. If you would like your photographs to be featured in *The Avion*, please e-mail avion.newsroom@gmail.com by 5 p.m. on Friday. It must be your own work, at least 3.0 megapixels, and either a .JPG or .TIFF.

THE FLIP SIDE

An introductory column: *Aftertaste*

Who are you? What defines you?

Hi, my name is Jacklyn Duff. I'm from Horsham, Penn. I'm a senior majoring in Aerospace Engineering.

This is how I normally introduce myself, and I'm sure your introductions would be similar.

I'm defined as an engineering student, a math and science person. Most of us Riddle students are pegged as being talented in some combination of math, science, and aviation. But, we are so much more than that; we have so many more attributes and talents. There is a whole other side of us, a flip side.

I started this page as an extension of the Entertainment page. I

wanted to show more sides of entertainment. I wanted an outlet for students, including myself, to express themselves. I will begin this with my new weekly column, which I hope you enjoy, by printing a piece of my creative writing.

I encourage you to submit stories, poems, photos or whatever medium through which you express yourself best.

The following story, "Aftertaste," is the first of many that I will share with you.

A dash of this. A splash of that. A little bit of everything was put in me when I was created. I'm bitter.

I'm sour. I can be so sweet you will need something salty, and I can be that, too. I'm spicy. I'm bland. I'm

flavors you don't know what to do with, ones that don't even have names. Every swallow is a different taste.

I'm random combinations. Some complement exhilarating taste buds, while others conflict, leaving you searching for something to drink, a chaser. I can make you drunk and giddy or nauseous.

I'm quite a conglomeration. Logical fantasizer. Social introvert. The sorority girl who is as proud to wear "Got Thrust" on

her chest as she is her pin. Chick flicks or action, doesn't matter, I'm game. My opposites can be extreme and leave your tongue in a battle of what it gets to taste.

I'm an author at heart and an engineer at head. I want to express my feelings, my thoughts, my soul, my everything, my every single last thought to be heard by the world. I want your reaction. I want to move. I want to bring you to places you've never thought of before. I want to take the familiar and look at it in a new light. I want you to cry with me. Laugh louder than me. I want you to get lost in me as if there was nowhere else you've ever known.

I want to express my knowledge, my insight, my questionings of everything. I want you to see the

world in equations as I've come to know it. I want to mesh together all schools of scientific thought. To be a meteorologist, geologist, oceanographer, astronomer, psychologist, biologist, physicist, mathematician ... all at once. Oh, the things I could accomplish. I want you to be a part of it. It, the moment when everything intertwines and finally makes sense as one. I wish you, too, could have that feeling. I wish I could bottle it up and sell it. I'd be my biggest buyer.

Stories and equations fill my head. They swirl around. The engineer and poet fight and battle to be heard. My notebooks have lines of equations, notes, and theorems bordered by stories in the margins. Dozens upon dozens of unfinished

stories put on hold while problems must be solved.

I lie awake thinking. My mind is racing. It is searching and hunting, trying to take all past knowledge and insight and make it perfect. One perfect line that the whole story revolves around, feeds off of. One perfect solution to the problem. One perfect manipulation of the equations. Lines of derivations or of poems are both equally important to the health and flavor of this weird mixture that I am. I want the world to taste all of me, all my flavors.

Oh, what a strange concoction I am. I hope I leave a pleasant aftertaste.

See you next week, on the flip side.



Jacklyn Duff
Columnist

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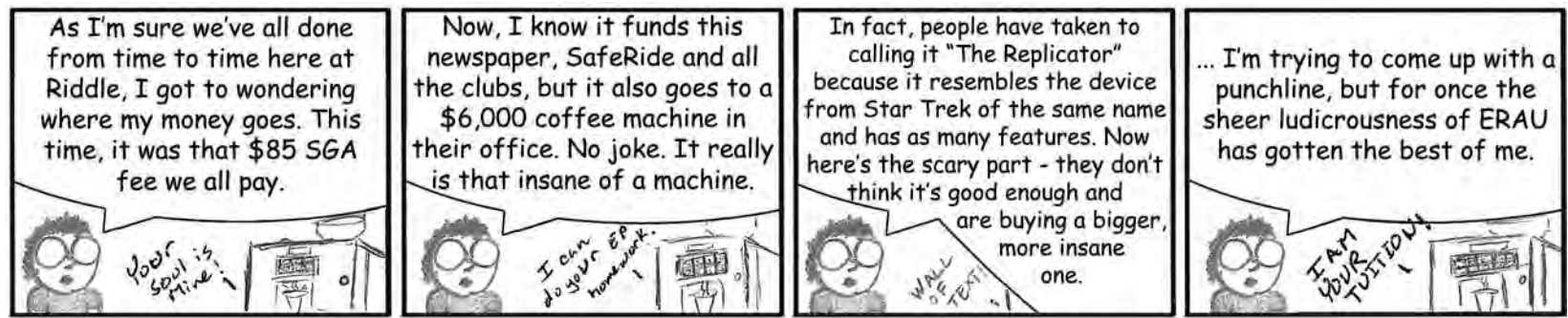
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The Riddle of Life

By Jonathan Mettin

This comic got a lot funnier when Tommy doodled on it.



SODOKU

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

SIMPLE

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

INTERMEDIATE

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

INTERMEDIATE

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

DIFFICULT

The Most Important Meal of the Day



ACROSS

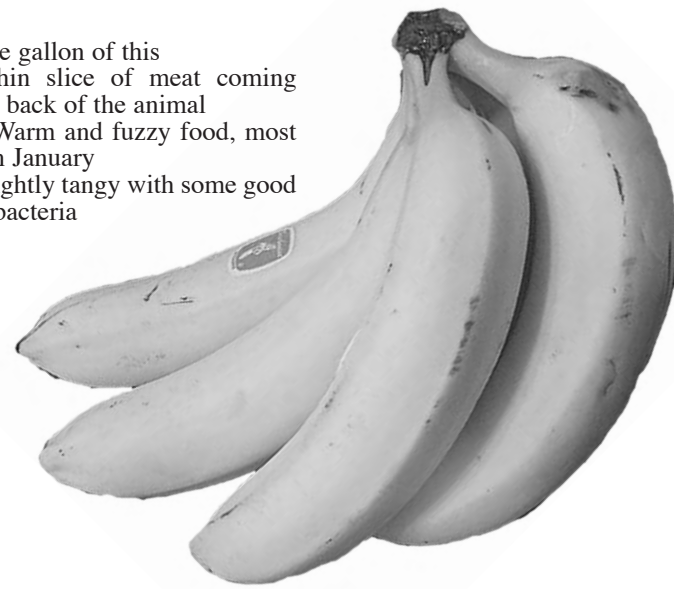
- 1. Hot cereal, made with wheat
- 3. Usually served in threes
- 4. Thomas makes these
- 6. Some people only like the tops
- 8. Flaky French pastry
- 11. The first ready-to-eat cold oat based cereal created in 1941
- 14. Popular English food, often served with tea
- 16. This is derived from the Latin word "salsus," meaning something salted
- 18. With their start in Brittany, a type of thin pancake
- 20. Might have been German toast if not for World War I
- 21. A favorite food of police officers
- 24. "Gotta have my _____"
- 25. In Denmark, eaten mainly on Sundays

- 26. A folded over egg dish
- 27. Freshly squeezed
- 28. A concoction of many different fruits

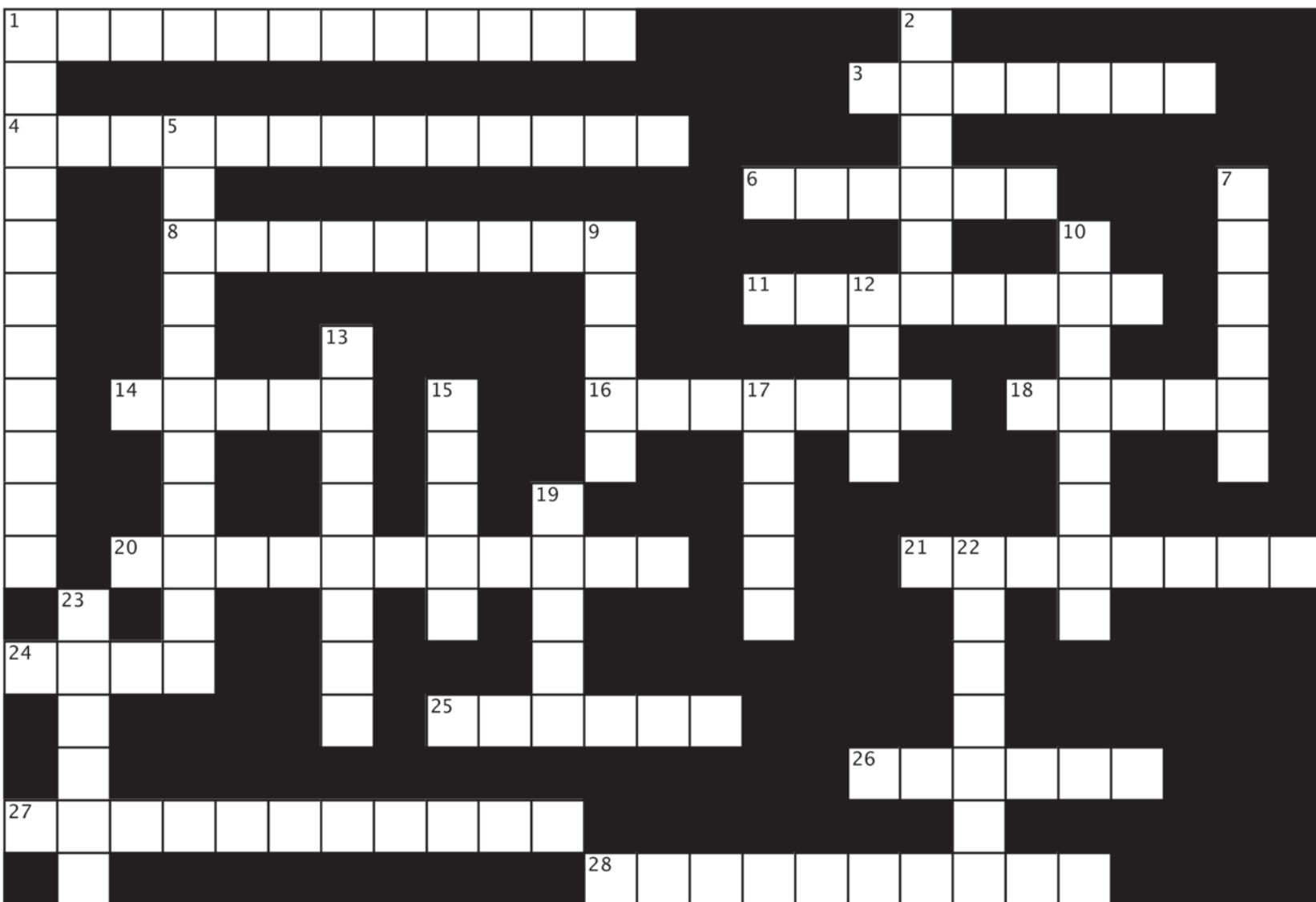
DOWN

- 1. In Yiddish, schmear
- 2. Introduced in North America in 1964 at the World's Fair by its Belgian inventor
- 5. First cereal to include marshmallows
- 7. The addictive drink
- 9. The effect of the Maillard Reaction on bread
- 10. Boiled oats
- 12. Original brand of frozen waffles
- 13. Almond flavored pastry arranged in large circles resembling a claw
- 15. Type of corn-based porridge
- 17. It takes 30-50 gallons of sap to

- make one gallon of this
- 19. Thin slice of meat coming from the back of the animal
- 22. Warm and fuzzy food, most served in January
- 23. Slightly tangy with some good for you bacteria

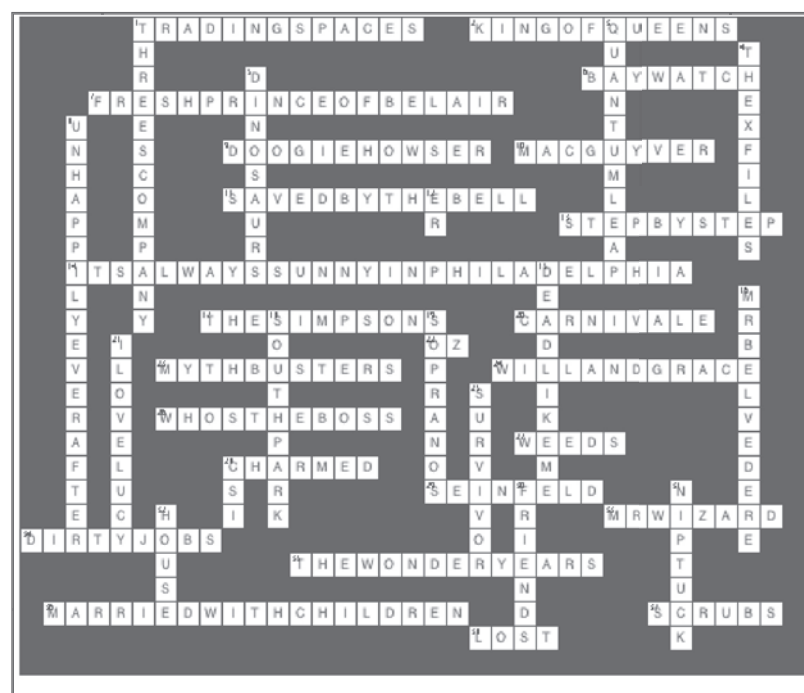


Submit your completed crossword to our office in SC 110. All correct entries will be entered to win a \$20 gift certificate to The Brooklyn Ice Cafe. Entries are due Friday by 5 p.m. Good luck!



Last Week's Solutions

Television Shows: Little of This, Little of That



HOUSING / ROOMMATES

New Home Near Ormond Airport
Choose from two new builder's homes in ORMOND BEACH, off Airport Road, close to airport. Available now: Beautiful contemporary 3 bedroom, 2 bath homes in Pine Trails Subdivision \$365,900. Earn equity while you learn. Parents: Renting a room to another student helps offset cost. Then sell when you're ready to move on. Join other ERAU families who have purchased a home. Call Claire Hunter Realty 453-8433. chunterpr@aol.com

Oceanfront Studio Condo

Daytona Beach. Spectacular surf/sand views from brand new corner unit, 11th floor studio. Generous private balcony. Professionally furnished. King pillow-top bed. Includes utilities and wireless internet. Fitness room, sauna, 4 pools, tiki bar, miniature golf, and more amenities of resort living. Across the street from grocery, dining, Starbucks, etc. Two mile walk/bike down the beach to cineplex. Covered parking. Suitable for two. \$1800. Call Laura 760-518-9309 or e-mail charlietwin@yahoo.com.

Need Room Starting August

I need a room with private bathroom on a monthly basis starting in August. I am a graduate student and have a part time job. Please call me at 386-383-0011 or e-mail me at balasubk@erau.edu.

South Daytona Condo for Rent

2 Bedroom 1.5 Bath totally renovated condo for rent washer and dryer in unit. \$950 per month. For information call Anthony 386-566-2811 or BJ 386-589-8199.

HOUSING / ROOMMATES

House for Rent in Southwinds
Port Orange house w/2 bedrooms, 2 baths, sun room (could be used as a third bedroom), stone fireplace, 2 car garage, washer & dryer, basic cable, community pool and club house; walking distance to shopping center; 5 min. drive to ERAU; \$1,200/month plus electricity; no pets, no smoking; 12 months lease, 1 month deposit and references required; Call Kay @ (386) 290-2221.

Share home close to ERAU

2 Bedrooms, 2 Baths, sun room (could be used as a third bedroom), stone fireplace, 2 car garage, washer & dryer, basic cable, community pool and club house; walking distance to shopping center; 5 min. drive to ERAU. \$1,200/month plus electricity; no pets, no smoking; 12 months lease, 1 month deposit and references required; Call Kay @ (386) 290-2221

Furnished Room for Rent

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

Beachside Home/Apartment

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

HOUSING / ROOMMATES

Port Orange Room for Rent
Room for rent in 3 bedroom furnished house in Port Orange. House is about 3 miles from campus. Nice lake view from bedroom. rent: \$340/month + 1/3 utilities. Call 386-366-1665 for more info!

Townhome for Sale

2 bedroom, 2.5 bath townhome in Edgewater riverfront community. Over 1400 sq ft for only \$144,900. Community pool, clubhouse, dock and boat ramp available with voluntary membership in HOA. For more information, contact Dawn Ellis at (386) 689-0053 Gaff's Realty.

Room for Rent

Port Orange, 5 minutes from Embry-Riddle, right off Clyde Morris Blvd. Student preferred. Full house priveledges. Pool. Owner is a Palmer student. Ready October 1st. Call Dan @ 386-562-7662.

2/2 Condo on Beachside

Beautifully furnished 2/2 condo w/ a pool. 216 Glenview, Daytona Beach. North of Seabreeze Blvd off Halifax. \$1,175 monthly rent includes water and cable. Contact All Florida Realty Services, Inc at 386-760-6000 and ask for Rhonda Belcher.

Roommate Needed

I have a 2 bedroom/2 bath apt at The Groves in Port Orange. The apt is furnished but not the bedroom. Second floor with lake view, screened in balcony. Must be ERAU student. \$490 + half utilities. Call Jacob (417) 268-5059 lemmo419@erau.edu

HOUSING / ROOMMATES

Cute 2 Bedroom House
House in nice area near river and park. 10 min from ERAU. Central A/C, washer/dryer, private yard. \$750 plus electric. Can be furnished or not. Call (305) 240-0246.

Roommate Wanted

3 Bedroom 2 Bath house looking for a clean roommate starting in Nov. \$550 everything included! House is about 11-15 minutes away from campus. Robert 516 351-2891.

House to Share

2 roommates wanted for 2 bedroom home. Share electric, washer/dryer and backyard with separate unit. Nice area at LPGA and river. \$375.00 each room f.l.s. non smoking. (305) 240-0246..

Beachside Bed & Breakfast

One block from beach, 3 miles from school. Six master bed and bath for rent. Completely new in and out. Plenty of parking, nice area. \$2500 per month. Contact Clay (386) 871-7069.

CARS/BIKES

2000 Yamaha R6

18.3k miles, D&D slip on can, jet kit, corbin seat, custom tail, one owner. \$4500 OBO. Contact Doug, curlid2f@erau.edu

1991 Mazda RX-7

Convertible Top, New Tires, and a Rebuilt engine that only has 67K on it runs quick 1.3L 160 hp R0. Good for tuners! Call 516-351-2891 ask for Robert.

CARS/BIKES

1996 Suzuki Katana

A garage kept or covered sport bike with 16000 miles. \$1000 in preventive maintenance done in april with receipt to prove it. Runs like a champ with Suzuki reliability. Asking \$2050 or best offer, with helmet and bike cover. Contact Dan at 386-843-2984.

1992 Chevrolet Lumina

White, Two-Door, 3.1 Liter V6 automatic in good condition. Just over 90,000 miles. Four new tires and new battery. Asking \$1000 or best offer. Phone (724) 816-5337.

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Save Money on Housing

Share your costs and control your living experience while at ERAU. Buy a house or condo! Capture appreciation dollars and tax deductions to make \$money\$ for yourself and your parents. Call Darlene Mazur, an Embry-Riddle Mom and Daytona area real estate agent at Prudential Transact for all the details. (386) 788-2563.

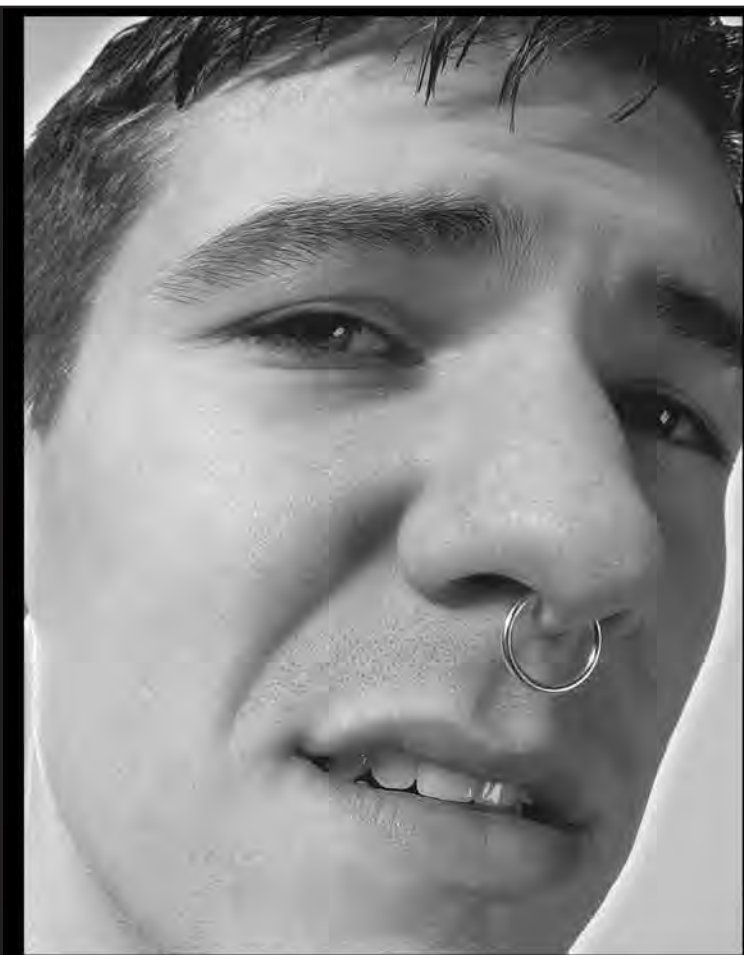
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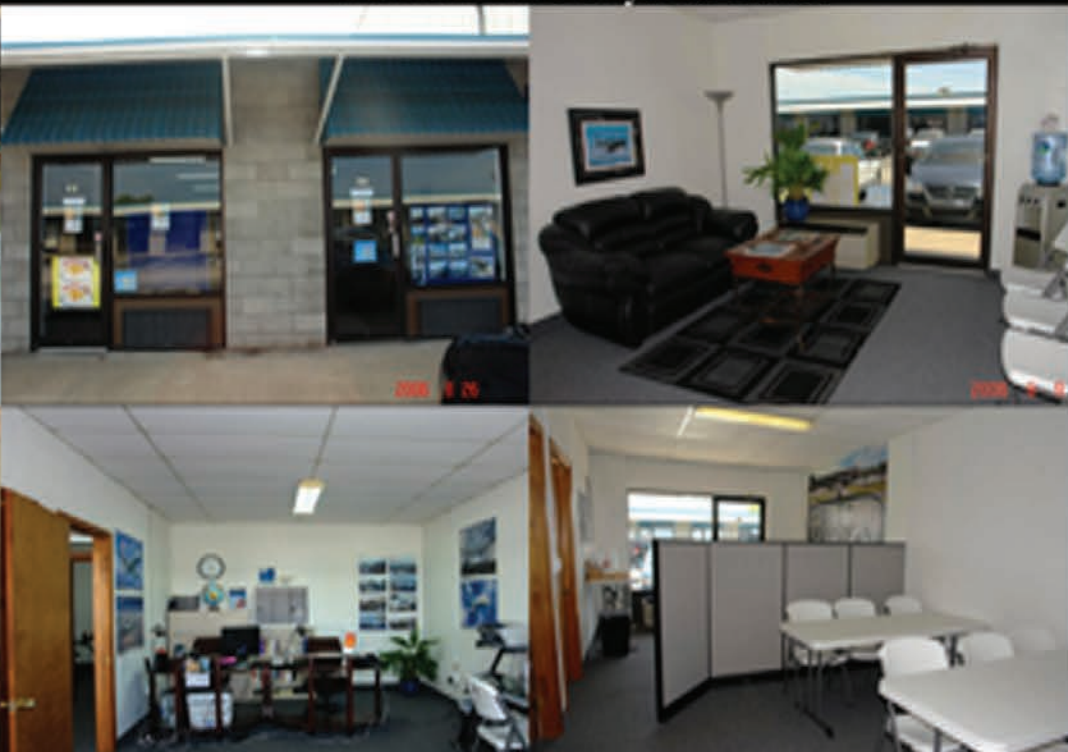
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