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New fitness center under fire

Brian Case

Business Manager

For several years, the capacity of the fitness facilities on campus has been inadequate. Now, controversy surrounds plans for a new fitness center next to the Tine Davis pool complex.

The fitness center in the ICI is simply too small to meet the demands of over 4,400 undergraduate students. Brian Gambino, Student Government Association Vice President, alerted students by e-mail that the University was near the end of its decision making process on the new facility, and student input was urgently needed to ensure the new facility met the needs of the students. The e-mail claimed that the facility was originally conceived at 5,000 square feet, and that new plans called for a 3,500 square foot facility.

The overall facility's size is slated to be 13,000 square feet, which includes a weight room, cardio room, open areas, locker rooms and office space. According to Gambino, it is the weight room that has undergone a "major reduction" in size.

"Original blueprints had the weight area at 7,000 square feet," Gambino said.

According to Gambino, the mass e-mail was sent out at the request of the Recreational Sports Department because it was felt the new facility size would be inadequate. In one day, SGA received over 300 responses to a campus-wide e-mail. These responses were then forwarded to the Recreational Sports Department.

"There has never been a blueprint," Associate Chancellor John Watret said.

Please see "FITNESS" page A2



JONATHAN METTIN/AVION

THE FITNESS CENTER ENJOYS a rare moment of relative emptiness in the wee hours of Monday morning. For the remainder of the day, the center is at or over capacity. A new facility is in the works to help alleviate overcrowding in the current room.

Student survives plane crash

Nicole Titus

Staff Reporter

Last Monday a single-engine airplane carrying 10 skydivers did not get more than 50 to 100 feet into the air during takeoff before crashing at DeLand Municipal airport, seriously injuring the pilot. Among the skydivers on the plane included Embry-Riddle freshman Ryan Miller.

According to Miller, the plane took off normally to about 100 feet above ground level and suddenly made a quick drop, which was perceived mostly as turbulence. Then suddenly the plane started to bank left and began to bank more and more aggressively, losing altitude until the left wing hit the ground. The plane then spun around violently onto the grass where the nose slammed into the ground, which brought it to an abrupt stop.

When it impacted, the pilot was knocked unconscious. Avgas began to spill out into the cabin and smoke was seen coming from the engine. Everyone inside made their way out, and a couple of skydivers helped the critically injured pilot exit the aircraft.

The pilot of the Pilatus Porter was airlifted with life-threatening injuries to Halifax Medical Center in Daytona Beach. Four passengers were treated and released from Florida Hospital DeLand and two others were transported to Halifax with minor injuries.

Miller went to the hospital the following day to check up on some minor neck and back pains, but is hoping to go jump again this weekend. Miller is still a student skydiver and would have been jumping Monday with an instructor for his seventh skydive.

The cause of the crash is unknown, and the Federal Aviation Administration is currently investigating the accident.

According to Bruce Hart, a DeLand pilot and skydiver with 127 jumps, "There's been a lot of tragedy out here lately, but if it [skydiving] was safe, nobody would do it."

Two skydivers have died this year in accidents at the DeLand airport. A skydiving plane struck aerial videographer Albert "Gus" Wing II in April. The collision cut off Wing's legs at the knees. In January, a member of a competitive team from the Czech Republic died during a rough landing.

Contrary to popular belief skydiving is

Please see "SURVIVOR" page A2

Hockey beats FIT in home opener

Eagles rout Panthers 10-2 to open season before big crowd

Brian Case

Business Manager

The Embry-Riddle Ice Hockey team slaughtered the Florida Institute of Technology Panthers 10-2 in their home opener on Saturday. An overflowing crowd welcomed the team back to the ice, cheering them on from beginning to end.

The team took to the ice strong and kept the offense up the whole night. After several strong shots on goal, the Eagles scored early in the first period. The team kept the lead up for the rest of the game, surrendering just two goals to the otherwise dismal Panther offense.

Goal after goal, the crowd grew in support for the team, feeding the moral of the Eagles and chipping away at the already weak FIT.

Penalty minutes seemed to out number game minutes, as both teams served a multitude of sentences in the sin bin. It wasn't uncommon to see two or more players serving simultaneous penalties. Even when the Panthers had a power play, the Eagles kept the puck in the zone and managed more shorthanded shots than anyone would have expected.

Most penalties were minor like tripping, but both teams served more than the usual number of majors for fighting. A particularly nasty brawl in the third period resulted in a pair of ejections. The ERAU player involved, as well as the linesman who attempted and finally succeeded in breaking up the fight, earned the respect of the home crowd.

As the game clock ticked down, students started waving their keys, chanting "warm up the bus" to the Panther bench. In the last minute, the crowd broke out in song, ushering what remained of the FIT line off the ice.

The rowdy crowd of ERAU students have certainly found a hockey rival in FIT. Whenever an Eagles player made a strong hit, the crowd went wild with excitement.

The Eagles play their home games at the Artic Zone Ice Rink in South Daytona. Admission is free with your Eagle Card, and beginning this year, students 21 and over can purchase alcohol. A play-by-play account of Saturday's game will be broadcast on 99.1 Eagles FM Tuesday at 5 p.m. According to William Robertson, the Station Director for Eagles FM, every game from here on out will be broadcast live.



DANNY OFFERMANN/AVION

CAPTAIN JASON SCAVILLA BATTLES with a Florida Tech player during the Eagles' 10-2 victory over the Panthers. The game was incredibly physical, with two ejections and many minutes spent in the penalty box.

Upcoming Games

10/14	Florida State	10:10 p.m.
10/15	Florida State	7:00 p.m.
10/21	Fla. Atlantic	10:10 p.m.
10/22	Fla. Atlantic	7:00 p.m.
10/28	UCF	10:10 p.m.

Standings

Team	Record	Points
FAU	2-0-0	4
ERAU	1-0-0	2
USF	1-0-0	2
UF	1-1-0	2
FGCU	0-0-0	0
FSU	0-0-0	0
FIT	0-1-0	0
UCF	0-2-0	0

Once upon a time there was a homecoming ...

Jonathan Mettin

Editor-in-Chief

There was once a group of people who had many adopted children. Every year, Ossia, Amy, Helen and Aaron would throw a big party to celebrate their family.

They sat down one day in the spring and Ossia said, "We have to have a theme for this year's party. We want everyone to dress up and have a good time."

So they sat in a room for many hours, until they decided that this party should be a fairy tale. But they didn't stop there. Fairy tales were good, but they could think of many other good tales too. So they decided to make it a storybook party.

And then Helen said, "We have everything except the kitchen sink." But Aaron said, "I can fix that." And so Aaron got them a kitchen sink, and a band to play it.

And so Embry-Riddle's 2005 homecoming got started, well on its way to a happy ending.

After the success of last year's "Hollywood Homecoming," Student Activities has decided to keep the theme broad with "Once

Please see "STORY" page A2



PHOTO COURTESY RECYCLED PERCUSSION

RECYCLED PERCUSSION USES POWER tools, scrap metal and other unusual instruments in their set.

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T-shirts fill UC with message

Heather Owen
Aeronautics Editor

The UC was filled Oct. 3 with multi-colored t-shirts hanging on long clotheslines. Many students and faculty stopped to see if it was a t-shirt sale. Looking closer at the tees, they found the shirts were not for sale, but instead part of a static display bringing awareness to domestic abuse.

"The t-shirt that stood out to me the most was the one that talked about the little boy Reggie saving his mother when he saw his father beating on his mother," Taunisha Lawrence, an Aeronautical Science junior, said.

The display began Embry-Riddle's women's week, sponsored by the Social Issues Committee. The shirts belong to a traveling domestic abuse awareness group, the Clothesline Project of Tampa Bay.

Each shirt represents someone slain or victimized by domestic abuse. Dale Shade, the director of the Clothesline Project of Tampa Bay, says the idea to use t-shirts stemmed from when women used to communicate while hanging out their laundry on the clothesline.

"Consider it airing your dirty laundry," Shade said.

Many victims chose to create the shirts as a coping method. Shade herself has a t-shirt in the display. Her struggle began when her mother

victimized her at an early age, leading to an adulthood filled with abuse.

"If you grow up with that, you are attracted to that," Shade said.

She said in one relationship, the abuser cut the heart area out of all of her shirts. Another time a gun was held to her head and he threatened to kill her.

After that encounter, Shade knew she needed to get out of the situation. She wanted to protect her children from a life of abuse. Abusive behavior is learned in the family and will continue to flourish unless stopped.

"I can trace back four generations of abuse," Shade said.

The Clothesline Project was started by the Cape Cod Women's Agenda in 1990. Members of the agenda learned that 58,000 Americans were killed in the Vietnam War years while men, who supposedly loved their spouses, killed 51,000 women in the U.S.

The Tampa-based Clothesline Project displays about 1200 shirts twice a year and sponsors many awareness clinics.

Shade says the experiences of her past are shaping her future in a positive manner.

"I once was a victim, once was a survivor and now I am a thriver," Shade said.

For more information, check out the Clothesline Project of Tampa Bay website: www.clotheslineproject.com or email: clpoflambay@yahoo.com.



SARAH VANECKHOVEN READS SOME of the many t-shirts in the UC last week. The shirts, according to the Florida-based Clothesline Project, symbolize abused women "airing [their] dirty laundry."



THE TRADITIONAL HOMECOMING PARADE is one of many events on the bill for "Once Upon A Time." Also on tap are a comedy show, a tailgate party and a chalk art contest.

“STORY” from Front

Upon A Time," with campus organizations representing a wide variety of fairy tales, legends, books and folk lore.

"Last year we wanted to go with something that allowed people a little bit more width and creativity," said Assistant Director of Student Activities Aaron Clevenger, "and this year we wanted to keep that same type of vein."

In 2001 and 2003, homecoming was based off of the Wings & Waves air shows, while in 2002, the first post-9/11 homecoming that Student Activities could plan for, the theme was "United We Soar."

According to Ossie Benitah, Director of Student Activities, the department initially considered "Happily Ever After" for a theme, but went with "Once Upon A Time" because it allowed students more options. Clubs and organizations took advantage of the wide selection, and students can expect to see the Legend of Hercules, Peter Pan, Oliver Twist, Treasure Island and many other famous stories represented.

"We thought 'Happily Ever After' kind of boxed people into a fairy

tale," Clevenger said.

"We have a theme, and then we want to be able to mirror some of our events to the theme ... to plan themes that compliment or coincide with the theme we decided to use," said Amy Vaughan, Assistant Director who oversees clubs and organizations. Besides the traditional parade, basketball game and talent show, "Once Upon A Time" will feature the Florida SkyFest air show, a comedy act and Recycled Percussion, a band whose current "Rock Your Junk" tour does just that - make intense percussive music from various forms of junk, including (you guessed it) a kitchen sink.

"The week really starts up on Wednesday night [Oct. 26] with *War of the Worlds*," Benitah said. The movie, starring Tom Cruise and Dakota Fanning and based on the classic George Orwell novel, will be shown on the West Lawn.

On Thursday, the last day of classes before homecoming weekend, there will be an open-entry chalk art contest in front of the Jack R. Hunt Library.

"It is open to any student that walks by and would to participate," Benitah said, saying that no applications are necessary. "You just need to show up and we'll hand you some chalk."

The annual talent show will take

place in the Student Center that night. According to Clevenger, the judges for the event will be dressed appropriately for the theme, with Dr. Seuss characters and action heroes possibly making an appearance.

There will be no classes on Friday, Oct. 28 as the campus celebrates University Day, and "Once Upon A Time" will really kick into high gear.

"The weekend kicks off with the homecoming parade," Benitah said,

referring to the annual event. Like last year, the parade will snake around campus before passing the judges' stand in the middle of campus.

While the parade is set to last from 3:30 p.m. to 5 p.m., spectators will have more to see than floats and processions.

"At the judges' stand there will be a lot of entertainment," Clevenger said, saying that still walkers and other entertainers will be around. "There are lots of things to do while you are waiting for the floats."

Immediately following the parade, the annual tailgate party will kick off across Clyde Morris at the ICI Center. Student Activities is particularly excited about this event because of Recycled Percussion.

"I heard them four years ago," Clevenger said, "and I've been looking forward to bringing them to any events that they'd be right for for the last four years."

"The show is phenomenal and I truly think that it appeals to all types of audiences," Vaughan added.

"You don't want to miss this show," Benitah said, adding that there will be several novelties at the event, including old-time photos.

"The entire tailgate party is free of charge," she added.

Following the tailgate party, the basketball team will play Johnson & Wales in the homecoming game. At halftime the king and queen will be crowned by last year's king and queen, Kevin Pearson and Elizabeth Graf. Students will be able to vote for the homecoming court today through Thursday on the Flight Deck, with king and queen votes taking place next week.

The much-talked-about Florida SkyFest airshow dominates the

weekend, with both days running from 8 a.m. to 4 p.m. The show features some of the biggest names in aerobatics, including Patty Wagstaff and Mike Mancuso, as well as apyro-technics show and a static display.

The only homecoming event students have to pay for, tickets to the event for the Embry-Riddle community are \$15 in advance and \$20 the day of the show.

A comedy show is scheduled for 8:30 p.m. on Saturday, Oct. 29, but who exactly is performing is still not set in stone. Initially Jay Mohr of *Jerry McGuire* fame agreed to do the show, but recently backed out of the performance.

"Due to unforeseen circumstances Jay Mohr has cancelled his appearance at Embry-Riddle," Benitah said.

"We are actively pursuing another comedian," she continued.

Scott Longshore, chairman of Touch-N-Go Productions, has been in contact with several agencies in an attempt to find another act. At press time no definite decision had been made, though several possible acts were under consideration.

Even with the comedy show not finalized, Student Activities insists "Once Upon A Time" is still a fun-packed week that has something for everybody.

"Enjoy your three-day weekend on campus," Vaughan said. "There are plenty of activities."

“
Enjoy your three-day weekend on campus.
- AMY VAUGHAN”

“FITNESS” from Front

According to Watret, 3,500 square feet will be used exclusively for weights, 1,000 square feet will be used for cardio and 2,500 square feet for aerobics. The facility will be an addition to what is available at the ICI Center, not as a replacement facility.

"This here," Watret said, gesturing out his Spruance Hall office window to the ICI Center, "is still available to students."

Whatever the final facility ultimately looks like, it will take some time before plans are finalized and construction begins.

“SURVIVOR” from Front

a popular sport. The United States Parachute Association has 34,000 members. It estimates that about 350,000 people complete more than 3 million jumps in a typical year. With that many jumps in a year only about 30 people die in parachuting accidents in the United States, or approximately one person per 100,000 jumps. In comparison, there are 110 fatal car accidents every day in the United States.

According to Scott Brazelton, Embry-Riddle skydiving club president, "Skydiving, like any other extreme sport, carries within it a few inherent risks. It is our job as responsible skydivers, to manage these risks to the best of our ability. We can't afford to become complacent with the forces we deal with every time we skydive."

"The recent accidents at our home drop zone, which are aviation related in nature, don't deter us from enjoying or practicing our great and very safe sport. They inspire us to become safer, and resultantly 'better' skydivers."

Monday Night Football on the Lawn



CHEESEHEAD DAVE MILLS, ONE of the organizers for the Monday Night Football screening on the West Lawn, buys a beer at the event, sponsored by Phi Delta Theta and Touch-N-Go.

Massive earthquake damages southeast Asia

Afghanistan, Pakistan, and India among those affected

Bob Scheid
News Editor

A large earthquake struck southern Asia Saturday, resulting in an estimated 30,000 dead in Pakistan, Afghanistan and India. Pakistan was hit most severely, with more than 19,000 dead and 41,000 injured. Afghanistan, however, only had one death, a girl who was crushed under a falling wall. As more information comes

in from more remote regions not immediately accessible by roads, either because a landslide had rendered them impassable or because a road was never built, this number is expected to rise significantly. Some people were living in mountainous areas more than 10,000 feet above sea level.

Due to these factors, as of press time, between 30 percent and 40 percent of the affected areas have not yet been accessed.

Sunday, Pakistani President Gen. Pervez Musharraf requested foreign aid, in the form of cargo helicopters and emergency supplies, be brought to the area to aid rescue workers.

"We can only go by roads, and roads also don't reach every corner, so therefore it's only helicopter access that we have. Things are not as simple as one would see in the West," Musharraf said. He specifically asked the U.S.

government for helicopters from Afghanistan; the U.S. agreed.

Indian-Pakistani tensions were pushed aside as well, with India's prime minister offering help to Pakistan despite the history between the two nations.

Since the withdrawal of British rule from the area in 1947, three wars have been fought, two of which were related to Kashmir, a region under claim by China, India and Pakistan.

Temporary housing and facilities have been set up for victims.

Tents have sprung up across the region, despite cooling temperatures and fears of aftershocks.

Water, food, blankets and other

supplies are beginning to be delivered, but as the injury count grows and more areas are accessed, further aid will be necessary.

The strength of the earthquake was variously reported from 7.5 by the Pakistani Meteorological Department (PMD) to 7.8 by the Japanese Meteorological Agency.

According to Qamar Uz Zaman, director-general of the PMD, this was the worst earthquake to strike the area in the past century, considering a pair of earthquakes with magnitudes 5.5 and 5.4 struck the area in February 2004, killing 21 and destroying hundreds of homes.



PHOTO COURTESY WWW.PRESIDENTOFPAKISTAN.GOV.PK
RESCUE WORKERS SEARCH THIS damaged apartment building in Islamabad, Pakistan for survivors of the recent earthquake that left an estimated 30,000 dead. Many more are undoubtedly left homeless.

“ Things are not as simple as one would see in the West. ”

- PERVEZ MUSHARRAF

Polio outbreak strikes Yemen, nearly affects 470

Latest round stems from an outbreak in Nigeria

Michael McGraw
Staff Reporter

Yemen is facing an outbreak of Polio, four years after the country thought it had rid itself of the disease forever. The last case of polio was reported in 2001.

Since February however, the disease has reemerged, and now affects at least 470 Yemeni children, nearly one third of the total worldwide polio cases reported this year.

This latest round of the disease stems from an outbreak in Nigeria

two years ago. Islamic clerics urged parents to boycott the Polio vaccine, fearing it was part of an elaborate American anti-Muslim plot. The disease then spread into Chad, Sudan and across the Red Sea into Saudi Arabia and Yemen.

To help curtail the spread of the disease, international bodies such as the World Health Organization (WHO) and UNICEF have stepped up their efforts.

The fifth nationwide vaccination round this year has already been held in Yemen. Nearly 3.8 million children each received two drops of the vaccine. This was completed by mostly Yemeni women, draped head-to-toe in their black chadors, who walked door-to-door looking for children to vaccinate.

In rugged and mountainous areas, people carrying the vaccine were lifted via baskets to communities perched high on rocky outcrops to reach children.

The number of new cases in Yemen has plummeted, with the

last child testing positive for the disease Aug. 11. Experts expect the disease could be wiped out of the area by later this year. However, they will be tested with the upcoming Hajj pilgrimage to Mecca in Saudi Arabia.

All children under 15 wishing to enter Saudi Arabia will need to prove they have received a vaccination prior to obtaining a visa, and will then receive another vaccination upon entering the country.

Polio attacks the central nervous system, and causes various forms of paralysis.

Vaccinations easily prevent the spread of polio, which has made the disease disappear in developed nations. Low immunization rates, poverty and limited health services in 30 developing countries are factors contributing to the spread of the disease.

A sharp decline in immunization after the 2001 eradication of polio also contributed to its spread.

Mayan city declared a cemetery after hurricane

Oz Maitas
Aeronautica Co-Editor

Hurricane Stan definitely left its mark all over Central America this past week. However, it seems to be that Guatemala suffered the worse devastation as a result of this meteorological phenomenon. According to the last report from the National Coordination for the Reduction of Disasters (CONRED - the Spanish acronym), the official number of casualties reaches 508 and there is over 300 people missing.

CONRED's Executive Secretary Mr. Hugo Hernández looked astonished when the high number of deaths were confirmed. He is also very concerned about the fact that they are expecting an increase on this statistic as days go by.

The Guatemalan Minister of Communications, Eduardo Castillo mentioned 400 major landslides as

well as 17 bridges considered to be unsafe. He also stated that most of the major highways were cleared to drive. However, there is a 26% of the roads that were affected by Stan are damaged.

The Minister of Agriculture, Alvaro Aguilar estimates 30% damage in the country's soil due to eight days of continuous rain. This directly affects 40% of employment all over the country due to its dependence in their agriculture. Electricity and water services were also affected by hurricane Stan as these services cannot be delivered to most of the population.

On Sunday, dozens of foreign tourists fled devastated lakeside Mayan towns on foot and by helicopter as Guatemalan officials said they would abandon communities buried by landslides and declare them mass graveyards.

Panabaj Mayor Diego Esquina stated that the city "will no longer exist." This is because the city

is covered by a half-mile-wide mudflow as much as 15 to 20 feet deep. "We are asking that it be declared a cemetery. We are tired. We no longer know where to dig," said Esquina.

About 160 bodies have been recovered in Panabaj and in nearby towns. Guatemalan Vice President Eduardo Stein confirmed the "legal permission to declare the buried areas" as hallowed ground.

U.S. military helicopters from Joint Task Force Bravo based at Soto Cano Air Base in Honduras joined the rescue efforts with Blackhawk and Chinook transport helicopters running flights through dense clouds and heavy fog. They also delivered some medical supplies and personnel and evacuated children needing medical care.

Other countries that have been affected by this hurricane included El Salvador, Nicaragua, Honduras, Costa Rica and Southern Mexico.

FEMA reopens \$400 million in previous no-bid contracts, competition now optional

Contract critics cite government connections

Chris Tezak
Managing Editor

The head of FEMA said on Thursday in front of a Senate panel, that the organization will seek new bids for \$400 million worth of Katrina relief contracts that were originally given out with no competition.

David Paulison, the acting director of the agency, is going back on the disaster, which was a frantic

doling out of contracts with no bids to large businesses with various ties to the administration.

Paulison did not say whether or not FEMA had found any traces fraud in the giving of the contracts, but he agreed that lack of competition could lead to problems.

"I have never been a fan of no-bid contracts. All of those no-bid contracts we are going to go back and re-bid," said Paulison while in front of the Senate Homeland Security and Governmental Affairs Committee.

The re-bidding of the contracts will not slow the reconstruction efforts because the original contractors will continue to work.

The contracts were awarded to The Shaw Group, Fluor Corporation, Bechtel National, and CH2M. They were contracted to install trailers and mobile homes for evacuees of the disaster in the many states that were affected.

Critics of the contracts cite the connections between some of the companies and the Bush administration. The Shaw Group's lobbyist, Joe M. Allbaugh was a former FEMA director and friend of President Bush. Bechtel has various ties to the Republican party and

Riley P. Bechtel, the chairman and chief executive of the company, served on Bush's Export Council.

Senator Joseph Lieberman, (D-Conn.), was on the panel and offered questions and opinions on the subject. "It sure looks, with hindsight, that FEMA would have been in a much better position had a lot of contracts in place that had been bid that were standby contracts to provide the kind

of services that FEMA rushed to provide on a no-bid basis," Lieberman said. "Taxpayers may have ended up paying more money..."

Spokesmen for Bechtel and Fluor said after the hearing that they had no problem with the revised bidding procedure, though they insisted the original bids were handed out honestly and based upon the abilities and experience of the companies.

"If FEMA decides to re-bid contracts, we certainly will accept their decision to do so," Howard N. Menaker, a spokesman for Bechtel, said.

Other critics of the decision are wondering why FEMA is re-bidding these four contracts but not the contracts given to the Army

Corps of Engineers.

"Competition benefits the federal government and taxpayers and allows us to get more value for the goods or services that the government purchases," said Scott Amey, general counsel for the Project on Government Oversight, a nonprofit group that investigates federal contracting.

On the day Paulison appeared before the Senate, the House approved the 2006 fiscal budget for the Department of Homeland Security; the budget would reduce FEMA's budget by 12% to \$2.6 billion.

Some are criticizing this decision by Congress. "It's difficult to understand the logic behind another round of budget cuts to FEMA at the same time Congress is questioning their ability to respond to future disasters," said Trina R. Sheets, executive director of the National Emergency Management Association.

“ Taxpayers may have ended up paying more money... ”

- JOSEPH LIEBERMAN

FAA says extreme landing gear extension is "legal"

Occurrence unusual, but doesn't break any rules

Oz Maitas
Aeronautica Co-Editor

The single engine airplane "manual" landing gear extension occurred with a Cessna 172 RG from Epic Aviation Sept. 16 did not violate any of the Federal Aviation Regulations (FARs) according to the Federal Aviation Administration (FAA).

Kathleen Bergen, with the FAA's Atlanta office, confirmed Sept. 26 that the agency has closed the investigation of this "occurrence" at New Smyrna Beach Municipal Airport.

"This is not something you see every day, but there were no violations of regulations" she said.

When flight instructor Jason Messenger and his student pilot passenger, Kenneth Barrett were scheduled

to make a landing shortly before 9 a.m., they noticed the gear had malfunctioned.

After several unsuccessful attempts to extend the left main landing gear, David Perna, director of Epic Aviation, and two other men got into a Jeep and sped onto the runway to try to pull the wheel down manually.

Messenger flew the aircraft less than 10 feet over the runway while the Jeep raced underneath at 65 mph.

After several attempts to reach out and tried to pull the landing

gear free by hand the ground team was able to nudge the wheel into place with a pole.

Finally, the pilot landed safely after the hour-long ordeal.

According to Bergen, FAA inspectors determined a previous hard landing caused the Cessna 172RG's left main landing gear actuator to jam, preventing the wheel from locking in place.

Epic Aviation's director commented that they are sending the malfunctioning part to Cessna for further inspection. He was also surprised by all the publicity generated during this episode.

"We felt very, very safe in what we were doing," he said.

"I do not believe we put ourselves or the aircraft in jeopardy at any time."



New life returns to the D.B. Hawgs

Bob Scheid
News Editor

A year after the Daytona Beach Hawgs, the local minor-league football team, was disbanded due to lack of funds and management problems, new life is returning to the indoor-football scene along with a new name: the Daytona Beach Thunder.

Last Monday, the Ocean Center held tryouts for the second season of the American Indoor Football League's Daytona Beach team. Only 14 teams exist in this classification, which is ranked below the Arena Football League. The folding of the team last year left severe doubts as to the possibility of a team coming out of the area, despite native talent.

Several players, who were supposed to be paid every game, ended up being owed \$800 by the Hawgs. Money was so tight that players were forced to carpool in minivans to games out of state.

With the arrival of new management, spirits are good and

hopes are high. Lucas Greene, a music store manager, said "Everything's going to be straight" this year.

The new CEO is Zach McDonald, a former U.S. Marine and photocopy machine retailer, one of the biggest supporters of the former Hawgs.

His role last year was lead advertiser, going so far as to convince several of his friends to drive the team's dancers onto the field with their motorcycles during a halftime.

This year, though, he is taking a much more active role in the team's development. He has already paid \$75,000 for an exclusive contract with the Ocean Center and pay for the games has been boosted to \$250 per game; an extra \$50 is added for a win. Outside the team, though, his efforts have been as concentrated and are even starting to show success, as around half of the 48 sideline box seats have already been sold.

MacDonald's goal, is 6,500 fans, a hot "buzz," and a championship win. "We're going to win the championship," he said. "That's all there is to it."

Local Briefs

A police officer in Fort Lauderdale died after plunging 100 feet off a roadway.

Jose Antonio Diaz, 37, and Wilton Manors police were responding to a suspicious vehicle on the southbound lane of I-95, when Diaz fell from the roadway to the ground below.

He was approaching the stopped vehicle, maneuvering between a parked police car and a median wall when he fell.

Diaz was taken to Broward General Hospital, where he was later pronounced dead.

Charges against the driver pulled over have not been filed.

Port Orange's garbage prices, prompted by rising fuel prices, have risen a dime. It is the second increase in garbage pickup in as many months.

The first increase of 3.5 percent in August was due to inflation adjustment, adding 50 cents to the monthly bills. This made the new amount \$14.75. The latest adjustment raises the bills to \$14.85.

City Council members from **Palm Coast approved an ordinance banning sex offenders** from community centers and city parks, but they stopped short of adding a clause to prohibit offenders from living 2,000 feet from places where children gather. State law currently imposes a 1,000-foot barrier.

While most cities in Volusia and Flagler counties have passed sex-offender ordinances, Daytona Beach, DeBary and Edgewater are considering setting greater limits.

The Ninth Annual Hispanic Art and Music Festival was held at Deltona's Dewey Boster Sports Complex.

It featured exhibits from more than 20 artists and nine hours of live music. Zenaida Denziac, president of the Volusia County Hispanic Association said, "I think that we want to share our culture with other people and we want other people to enjoy our culture. When we know about each other, we respect each other more."

Republicans' banner receives unfair criticism

Message consistent with party's ideals

Fellow students, I must admit that I was mildly amused by last week's tirade in *The Avion's* opinions section about the College Republicans' student center poster. In it, Tom Bodarenko (who starts his rant by declaring himself unpartisan but ends by conveniently promoting the College Democrats) makes some outrageous comments about not only our organization, but our elected officials as well as our country's efforts overseas for which we have sacrificed so much since that horrible day in September almost four years ago.

Mr. Bodarenko first attacks the very symbol of Allied victory over the Ba'ath regime in 2003, which had held the people of Iraq in a grip of terror for decades. Completely ignoring the fact that for almost thirteen years after the first Gulf War the United Nations helped prop up Saddam Hussein's ruthless government by funneling millions of our dollars earmarked for aid to the Iraqi people, to Saddam, his two sons and the rest of his henchmen.

I'm not trying to be melodramatic ladies and gentlemen, I'm just being honest, and I'm sorry if Mr. Bodarenko finds it offensive that we ended the reign of such an evil regime and helped uncover one of the largest scandals in the history of the United Nations. We did end it, and I for one will be proud until the day I die that we did.

The stars and stripes smothering Saddam's face is offensive to you? Since when did we start extending courtesies to the sworn enemies of America? Mr. Bodarenko was quoted as saying our poster last week was "staggeringly stupid." Once again, I'm sorry if you're offended by the sight of victorious American soldiers. Should we next forbid the display of Marines raising the flag on Iwo Jima because it is "incredibly offensive to someone?"

Mr. Bodarenko goes on to say, "Let's show everybody how we totally invaded Iraq against everybody's wishes, flaunt the fact in front of the polls and the U.N., and then we'll show how we ran the Iraqi elections because we care about the opinions of other people."

First of all, if your litmus test for the use of force to resolve a problem is whether or not the United Nations agrees to use force, then I sure hope you weren't in Rwanda in 1994, Kosovo in 1999, or even the infamous North Korean Kaechon concentration camp or the Darfur region of Sudan today. Guess what! The "all knowing and all powerful" U.N. didn't do a damn thing! Does that mean we shouldn't have? I rest my case.

Secondly, I don't appreciate demeaning the efforts of more than a quarter million Coalition soldiers. All we, the Republicans, were saying was that after thirteen years of diplomatic squabbling and bribes, the United Nations still was not able to bring peace and democracy to Iraq. Let me also make one

thing clear. Peace is not just the absence of war, it is the presence of justice, and I'm sorry but having your national soccer team tortured, and their spouses raped, for losing games is not justice, not by MY standards anyway.

No doubt the peace in Iraq today is quite fragile because of our fight against Al-Qaeda in Iraq, which is led by the brutal murderer Abu Musab Al-Zarqawi, but the American public, myself included, knows that the fact that there is even a chance for peace and democracy in the heart of the Middle East

is only because of the leadership of President Bush and the absolutely heroic efforts of our brave brothers and sisters in uniform. That peace and democracy

will flourish someday, and when it does, history will say that American, British, Italian, Polish, Japanese, Danish and Australian soldiers were the protectors of that democracy and the ones who believed in its success, not Tom Bodarenko or Cindy Sheehan.

Mr. Bodarenko also claims that the "the United Nations is basically

a democratic body." Okay please hold your laughter for a moment. Nations like China account for a fifth of the world population and they sure aren't democratically represented anywhere. That's 20 percent of the globe that right off the bat doesn't have a fair and accurate representation on the world stage. Losing faith in the U.N. yet?

If not, then imagine what a democracy would look like when some people have veto power over everything. Talk about efficiency huh? The United States disobeyed the United Nations and assembled another "coalition of the willing" (we used the NATO alliance) to attack Serbia in 1999 after it failed to comply with international demands that it cease ethnic cleansing. Anyone with

half a brain remembers the opposition Russia and China held toward action against Slobodan Milosevic (who today sits in a prison cell like Saddam because of our efforts, U.N. authorized or not). Any vote on military action was threatened with a veto by both Russia and China, so therefore U.N. approval for any action would never have happened. Were we wrong to go ahead "without the approval of the U.N." as Mr. Bodarenko seems to indicate we were? You make up your own mind.

Last week's unprovoked attack on the College Republicans (Thanks for the free publicity Tom) also attempted to ridicule our quote of California Governor Arnold Schwarzenegger. Governor Schwarzenegger stated at last year's successful Republican Convention in New York City,

"If you believe THIS country, not the United Nations, is the BEST hope for democracy, then you are a Republican."

Mr. Bodarenko seemed content to interpret that as meaning the United States was the ONLY hope for democracy in the world. Saying we believe something is the best option, doesn't mean we said it's the only option. If you disagree with our assertion that America is the best hope for democracy, I challenge you to offer up another nation that has shed more of its own sons and daughters' blood to preserve democracy beyond its shores. Not even the French can lay claim to that! Don't believe me? Ask the Algerians!

As a derivative of President James Monroe's famous doctrine, whenever democracy needs help, America is the first country to respond, not the United Nations, and I would LOVE to see Mr. Bodarenko stand up and argue that or shut up and accept that.

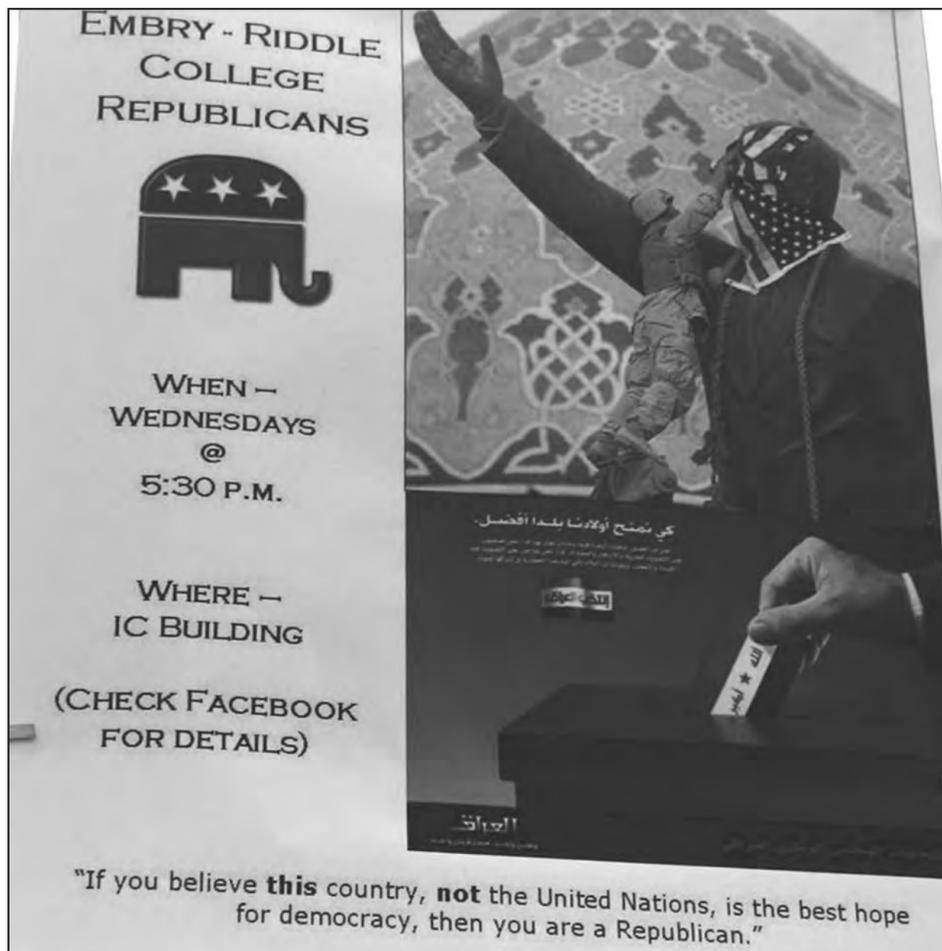
Like Governor Schwarzenegger, I wasn't born in America and but today I am proud to call the United States my home. If Mr. Bodarenko can't be proud of our accomplishments, then I WILL and I ask the students, staff and faculty of Embry-Riddle to stand with me.

Finally, I would like to thank those readers who took the time to read this article and understand the fallacies of Mr. Bodarenko's argument, and those readers who share our Republican philosophy that the United States of America is not "the evil empire" that Mr. Bodarenko seems content to label it.

-Levi Jordan

“ Mr. Bodarenko first attacks the very symbol of Allied victory ... - LEVI JORDAN ”

“ No doubt the peace in Iraq is quite fragile ... - LEVI JORDAN ”



THE ERAU COLLEGE REPUBLICANS banner as photographed before it was removed from the student center. The banner was removed by SGA because the club did not have permission to use the photo.

THE NOTH FACTOR

The best industry to work for

A few weeks ago, I claimed that people who constantly complain about problems in the aviation industry frustrate me. Since then, I have had a revelation. I discovered another industry that I think really deserves my talents. The industry is huge and seems to only grow as time goes by.

I discovered (or rather, bothered to notice) this magical industry while I was shopping on Friday night. I was attempting to find a new pair of jeans when I saw a pair of "authentic work style" jeans. I have seen jeans with some installed wear before, but these jeans brought "authentic" to a new level.

There, on the shelf, I saw a pair of jeans that had a big wear mark near the pocket and an automotive grease stain on the front. Unlike jeans that are manufactured to look aged, I truly believe someone must have been paid to wear these jeans around for a few months before they could be sold.

I also saw a few shirts with rips along the collar and some wear marks along the edges. Wearing clothes to make them look worn out is something I could really do; it would be wonderful if, instead of being upset that I had just ripped my jeans when I

tripped, I could stand up and say "Cha-ching! \$15 bonus!"

Imagine how entirely reckless you could be if you didn't care one bit about destroying your clothes. Consider a possible dinner party conversation: "I'm so sorry I just spilled Hawaiian Punch, cranberries, and gravy all over you," could easily be followed by "Don't worry about it, you just made these clothes more valuable to some idiot who believes in fashion!"

While I do see how some clothes can be made fashionable by installing some "authentic wear," I can't see why anyone would pay \$45.99 for jeans that had a nasty yellow-ish orange stain. I may not live in Paris or Milan, but I refuse to believe that wearing dirty or stained clothing can be either fashionable or attractive. Furthermore, if wearing stained clothing really is the hip thing, all I need to do is reach into the back of my drawers and pull out some classics to be looking hipper than Brad Pitt.

On a deeply personal note, if you know anyone looking to hire someone to wear clothes and effectively destroy them, please let me know - I'm always looking to increase my income.



Christopher A. Noth
Columnist

Stand Up!

When 'friends with benefits' becomes cronyism

The nomination of Harriet Miers to the Supreme Court by President Bush is a truly incredible feat of, well, stupidity. A woman who has never been a judge and is an undisputed personal friend of the President got the nod to be a judge in the highest court of the land.

Miers helped scour Bush's past, while she was his personal lawyer and while he was running for Texas governor, so nothing would pop up in the election. She helped get the former governor out of jury duty in his state so as not to let a drunk driving charge

come up while being questioned for a seat on the panel.

Miers also was Bush's Deputy Chief of Staff after being promoted in 2003. Before that she held the position of staff secretary, which meant she was in charge of all the documents that flowed through the White House. This woman has more personal connection with the President than a judge should ever have.

If she gets nominated, this presidency will start being compared to machines like the infamous Tammany Hall in New York that operated around the turn of the century. With

no-bid contracts to buddy companies like Halliburton and the like, and comps to friends like Miers, this is getting out of hand.

If Miers gets confirmed, it will be a measure of this Congress. She has no history of judgments, because she has never been a judge. She has a history of personal friendship with the president, which I thought was bad when one is supposed to be an unbiased interpreter of the law.

Why is Bush picking people who give the confirmation panel problems? Roberts barely said a word at his hearings and it's anyone's guess as to where he stands on issues. Miers simply has no record; all the questions from the panel will be addressed with

whatever she feels like saying.

What makes her especially interesting is Republicans do not like her because of her somewhat pro-choice views; who is going to vote for her? Is it hard to nominate someone that is moderate, has a solid judgment record and is non-political? I know Bush is trying to push an agenda, but God forbid he actually makes a decision that benefits the people of the country rather than his friends.

For the sake of the court, let's hope that she does not get confirmed and we get a real moderate, bi-partisan person to replace her. If she does get confirmed, I hope that she turns out to be a solid judge. I do not know if the second is feasible, but I guess we will soon find out.



Chris Tezak
Columnist

Student Forum

The Avion asks: "How do you relieve stress?"
—Compiled by Zach Mahone & Brian Case



Alex Wechsler
Aeronautical Science
Freshman

"I hang out with my best friend."



Richard Carpenter
Engineering Physics
Senior

"Running."



Ashley Tanner
Aerospace Engineering
Junior

"Listening and playing music."



Pavan Donepadi
Space Science
Graduate Student

"Watch movies or swim."



Dozie Diké
Civil Engineering
Senior

"No matter how tired I am I love to play badminton."



Jonathan O'Brien
Aeronautical Science
Freshman

"My R.A. gives great massages."

Ask Sidney tackles roommates and troubled relationships

Dear Sidney:
 I am a new student and am living in one of the residence halls. My roommate and I were friends all through high school and decided to live together here at Embry-Riddle. Everything has been going well until just recently - I have absolutely no space at all here! She has all of her stuff everywhere, and when I ask her to move things she rolls her eyes and gets frustrated. She is also listening to my phone conversations and making negative comments. Now, she wants to live with me next year in an apartment, but I do not think I can live with her again. I do not know how to tell her without hurting her feelings. How should I deal with this?
 ~Sick of Roommate!

to maintain a friendship with you next year, even though we aren't living together." Or "I think we would be better friends if we didn't live together." In the end, you cannot change how your roommate will react, but that shouldn't determine how you feel about yourself or your plans for next year. It's always best to be as honest, sensitive, and forthcoming as possible.
 ~Sidney

Sidney:
 I need advice! I've been with my boyfriend for 2 1/2 years but now we have been arguing a lot. He's accusing me of cheating on him but I never have. He accuses me of cheating on him with everybody, and gets mad whenever I go out by myself. I'm very concerned about this because he has almost gotten to the point of pushing and hitting me. I know I love him but what should I do?
 ~Confused

Dear Confused:
 Sidney is glad that you wrote - though you're feeling confused, you seem to have a smart sense that something is not right in your relationship. If Sidney is interpreting what you've said correctly, it seems that you're being punished, repeatedly, for something that you did not do. Because he suspects you of cheating, your boyfriend punishes you by getting mad at you and by "getting physical" with you. You do not deserve to be punished, either by your boyfriend or by yourself. Sidney also hears that you care for your boyfriend - presumably, this is why you're feeling so confused. Though you love him, it doesn't sound like he is returning your love in an appropriate way. Someone in your position needs

support at times like these. Sidney wonders if you have close friends or family whom you can trust and reach out for help. Tell them what has been going on and ask if they would be willing to help you through this difficult time. In addition, Charlie encourages you to seek help through the Counseling Center - a counselor will listen to you in a caring and non-judgmental way. Once again, Sidney commends you on your courage for writing this letter - don't hesitate to reach out to others who can support you in your struggle.
 ~Sidney

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

Flight team funding a slap in hockey's face

Writer says school "sits back and laughs"

Last week, The Avion published an article that infuriated me. The University has officially sponsored the Eagles Flight Team. Now, before everyone gets the wrong idea, I am not attacking the Eagles Flight Team. In fact, I would like to extend my congratulations to the team for being recognized by the school. The flight team must have shown extreme dedication to the advancement of flight and an unusual devotion to the school in order to be sponsored. I am,

however, enraged and disappointed in the school's choice. Other organizations on campus deserve recognition by Riddle. The first one on that list should be the ERAU Ice Hockey Team.

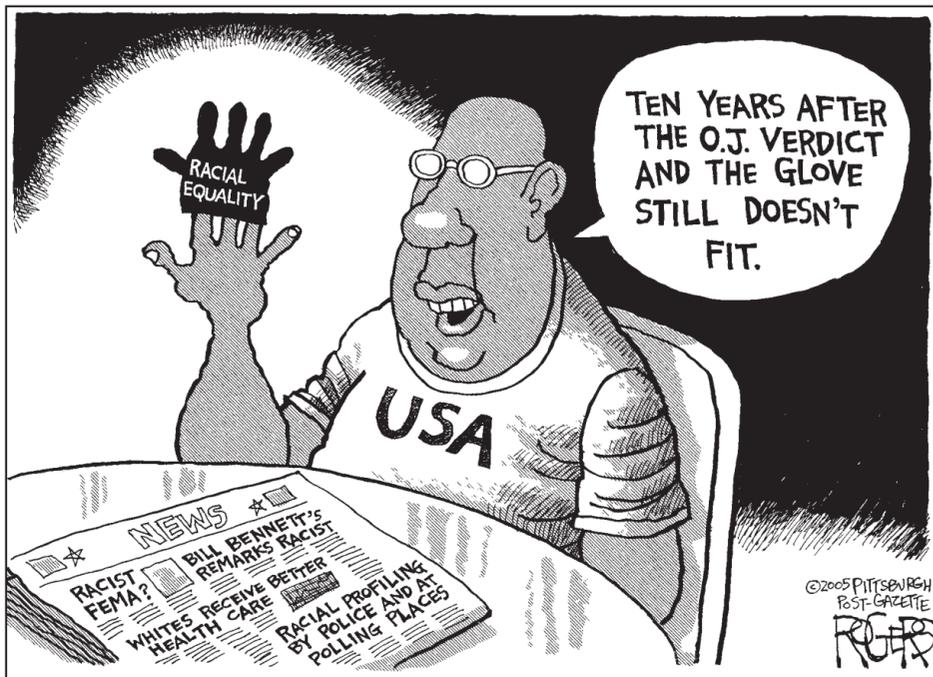
The hockey team is a great diversion on campus, and could very well be considered a varsity sport. The team contributes in many ways to the culture of the school, and is a great source of pride on campus. The Hockey Team draws a crowd that rivals all other sports on campus, and is being supported by The Flock this year. The team plays ACHA (American Collegiate Hockey Association)

division III hockey. Last season the team had an overall record of 14-9-2 and placed 9th in the southern district of over 23 teams. The team practices 5 times per week, and has as many as three games each weekend. This upcoming season, the team was invited by the Commissioner of the league to play in the National Showcase Tournament in Wichita, Kansas. While the team busts their butts to be outstanding students, and great hockey

players, the school sits back and laughs. Every player on the team pays an annual fee of over 700 dollars to play. Home games cost the team almost 800 dollars per game. It is cheaper to rent a light twin-engine aircraft than it is to practice for an hour at our ice rink. Overall, the team's expenses almost reach forty-thousand dollars per year. However, every year, the school refuses help to fill the gap in the team's expenses. Our only ray of hope in the long dark tunnel is SGA, who have supported the team for years.

More to the point, however, the hockey team should be next on the list of organizations to be sponsored by Riddle. It would cost less than half of what it does to sponsor the Flight Team. The best argument was already made by The Avion when Brian Case said that, "Embry-Riddle has a new sports team, but don't expect to see the pep band at any of their events." To me, this statement concludes that the students will not be able to go and see the flight team in competition. By comparison, the entire campus, including the pep band, could easily enjoy the Hockey Team. The school needs to get on the puck, and begin sponsoring events and organizations that will enhance the campus and the enjoyment of the student population.
 ~Sean Schandelmeier

“... the school refuses to help fill the gap in the team's expenses.”
 - SEAN SCHANDELMIER



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Pike Beta Class Gears Up

Pike Beta Class sets high goals for pledges

Steven Spiller
Pi Kappa Alpha

pledges for the Pi Kappa Alpha Fraternity – Lambda Mu Chapter is composed of 19 men chosen for their accomplishments and potential as scholars, leaders, athletes and gentlemen. On behalf of this group of highly motivated men, I want to express our excitement and devotion to learning the ideals and history of the fraternity. As a pledge class, we will be selecting the most qualified men to lead our group as officers in the upcoming week. Under the guidance of the brothers and our elected leaders, we look forward to accomplishing

the goals we have set for ourselves including a 3.5 GPA for each member, 901 community service hours, and \$1000 for charity as a group. As we work together to collaborate for the good of all, we will unite as a family, capable of leaning on each other for support in times of trouble. Through commitment and perseverance, we strive to join the Founding Fathers as brothers of the largest fraternity on campus by the end of the semester, and we look forward to seeing you all at the rush event we will be planning for later this fall.

The Beta Class, first round of

Fighting cancer with letters

This last Thursday a few dozen people came together to write letters in hopes people around campus and around the world will donate to St. Jude Children's Research Hospital. For three hours on the Flight Deck, students wrote their hearts out addressing as many letters as possible and only taking a break for a few minutes to rest their hands while they grabbed some free pizza. But no one came with the free food in mind; rather they could see Up 'Til Dawn was a worthy cause. Well worth the three hours of their lives to write an amazing 1,008 letters.

dren whose parents cannot afford the high prices of hospital costs. The inpatient cost of living one day in a hospital is about \$4,500 and that has nothing to do with the cost of surgery, medicine, reoccurring visits, x-rays or chemotherapy. The average cost of treating a patient with cancer is over \$287,000. That is an extremely crippling number for a low income family, or a family without insurance. That is why St. Jude and Up 'Til Dawn are such well known charities that make a difference in today's world.

facilities tremendously. The expansion will help reach more and more children throughout the states. The hospital has also been working with relief efforts in the aftermath of the hurricanes.

Up 'Til Dawn is a remarkably structured program with benevolent thoughts at heart. It is an amazing philanthropic organization supporting a very genuine cause. Visit Embry-Riddle's Up 'Til Dawn website at <http://clubs.db.erau.edu/dbuid/> or the national site at www.stjude.org. Keep an eye out for the Date Action, which is always a fun time as people bid on hunks and hotties while raising money for St. Jude Children's Research Hospital.

Preflight Competition a Huge Success

Kennedy Hester
Sport Aviation Club

Last week, on October third and fourth, the Team 3 "Beavers" sponsored the second annual Preflight Competition in the maintenance hangar. Jack Haun and Mason Aldrich from maintenance configured a Cessna 172 with more than 30 discrepancies, and 35 contestants were allotted 20 minutes each to find as

many faults as they could. The contestants were timed, and they received points for finding faults and low completion times.

Congratulations to the winners: Jeremy Glass and James Morrison tied for first place; Andrea Luethi was the runner-up. First prize was the winner's pick between one free hour in the CRJ simulator or two free hours in the Cessna. Second prize was a Piper flight bag. A separate award of a free glider flight was given to Martin

Berry for finding the most "ERAU Sport Aviation Club" stickers on the aircraft.

The Beavers, led by Training Manager Nic Mostert, conducts several safety-oriented programs each semester as a part of the "Team 3 Safety Challenge." Team 3 publishes the flight line newsletter *Underneath our Wings*, conducts classroom presentations on flight safety, and regularly updates safety-themed posters around the flight line.

Designing Your Own Personal Lubricant

Ken Kirchner
S.C.A.T.

Most pilots and mechanics realize that oil is the lifeblood of their engines. Few, however, realize the many aspects that go into the design and manufacturing of today's aviation grade lubricants. The Society of Aviation Maintenance Technicians (SCAT) was proud to present Mr. Stephen Sunseri, the General Aviation Manager from ExxonMobil Aviation Lubricants, to the Aviation Maintenance Science students on September 29.

Sunseri took the attendees through the entire process of engine oil design. The lecture started with a fictitious oil name and traced it all the way through the process involved in getting the FAA's stamp of approval. How dry can a lecture on engine oil be? Not very, if you have someone as knowledgeable as Sunseri at the podium.

Do you know why there are no pure synthetic oils on the market for aircraft piston engines? It is because synthetics do not like the lead used in 100LL AvGas. While that may seem like useless trivia, other topics discussed, such as the benefits (or lack thereof) of third party oil additives, are very useful to mechanics and pilots who do their own

preventative maintenance. The S.C.A.T. club plans to have Sunseri back again, in addition to other guest speakers skilled in the art of aviation maintenance. If you have an interest in becoming a more knowledgeable pilot and/or mechanic, join the like-minded members of the S.C.A.T. club today!



PHOTO COURTESY SOCIETY OF AVIATION MAINTENANCE

EXXON SPEAKER STEPHEN SUNSERI giving a lecture to the Society of Aviation Maintenance Technicians about engine oil.

Department of Flight
Congratulations to the following pilots who successfully completed their First Solo flight.

Aaron Wilt	9-13-05
Zack Cammarano	9-19-05
Dan Hubert	9-19-05
Daniel Shearer	10-7-05

"Where the Eagles Fly"

Graduation looms - are you informed

Mary Cloutier
Senior Class Council

The Senior Class Council would like to congratulate all graduating seniors! If you are not already involved with the council, you will want to join us this Thursday, Oct. 13 at 5:30 p.m. in A-109 to find out what is happening with December graduation

ceremonies. As part of the Senior Class Council, you will have the opportunity to help fundraise for a senior gift and graduation activities, nominate a deserving Riddle associate for a prestigious award, and negotiate discounts for family and friends who will be visiting the area for graduation. If you have questions, please e-mail senior.class@erau.edu, and be

sure to visit Blackboard to obtain important information about graduation, including the Alumni Welcome Reception. Also, be on the lookout for future articles in The Avion that will alert you to new and exciting happenings. We proudly serve our senior class and look forward to celebrating our accomplishments with you this December.

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8:30 P.M.

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SGA President's Update Progress Comm. wants input

Sara McCook
SGA President

Over the past months, the Student Government Association has been working hard at making student life on campus more enjoyable. With the cooperation of the branches and divisions, much is being accomplished and we are making giant steps towards our goals. This article serves as an update on what each branch and division has been up to since the start of school, and to help clarify some questions and keep the student body informed.

"We are focused on making SafeRide more advantageous to the students ..."

- SARA MCCOOK "

The Executive Board has been faced with many tasks and feats, ranging from daily life to future goals and plans. Currently, the Executive Board is communicating daily with Yellow Cab and alleviating many of the concerns with the students, while trying to continue to educate drivers on the guidelines and rules set forth in the agreement.

We are focused on making SafeRide more advantageous to the students by collecting feedback through campus-wide e-mails. Please continue to voice your concerns or praises regarding the services you are receiving. Without your feedback, we cannot fully understand the problems you, as the student, might be facing.

To much disappointment, Flagler has pulled out of the Katrina competition due to a number of reasons. But, that does not mean we are going to cease the Hurricane Katrina Student Fund that will not only bring the ERAU student community together, but also allow us the

"... the students are a powerful voice on campus and are respected ..."

- SARA MCCOOK "

chance to give back to a community in need. SGA and TNG plan to host a poker night sometime in November to not only test the skills of students in poker, but also raise money for Katrina victims. Club and organization competitions will begin soon and all information will be discussed during a Presidents Roundtable for all groups that wish to participate.

The \$15 admission fee for SkyFest has been the talk amongst students. SGA has taken a proactive stance and is going to purchase tickets to subsidize the costs for students to allow more students to go for a cheaper price. We are still working out the logistics for this, so please keep your eyes open for a banner in the Student Center. A sponsorship program has been set up with local businesses to raffle off tickets to students. Between the two, it is our hope that more students will be able to attend the air show and enjoy their homecoming.

Student Government will hold its annual retreat on the weekend of Oct. 14 and 15, where branches and divisions will meet and design their goals and plans for the school year. This is an opportunity for all members to gain a better understanding of what each branch and division has in store for the upcoming year as well as meet students from other sectors. This weekend will surely be one that will allow the SGA to better serve the students.

The Student Representative Board is led by Vice President Brian Gambino, and meets weekly and deals with day-to-day concerns of the students. Currently, forums for each college are in the planning phases and will be meeting in the next couple weeks. This is a great opportunity for students to talk directly to their respective college and express concerns and comments. A majority of the colleges will have Deans and professors in attendance as well. Eagle Cards are now accepted at many businesses around Daytona including Uno's, Denny's, Larry's Giant Subs and Connect Café; stop by the SGA office for a complete listing. The SRB has set up on

Blackboard the opportunity for students to voice their input and comments regarding issues they are facing on campus. Take advantage of this and have your voice heard.

Under the direction of Ryan Rossi, the Student Finance Board (SFB) held their weekend budget review, where close to 100 clubs and organizations had the opportunity to request their budget for the upcoming semester. Close to \$100,000 was allocated, which is the most the SFB has been able to allocate in history. Recently, the SFB has allocated \$3,000 out of the Executive Budget to help in the purchasing of SkyFest tickets to sell at a lower cost for the students.

Touch-N-Go's chair, Scott Longshore, continues to work hard along with his board and 50 members at setting up and putting on great shows and productions for the student body. Coming up Oct. 14 in the UC, comedian Dan Adhoot will be performing. He is known for his appearance on *Last Comic Standing* and is sure to be a huge hit.

Task Force One (TFO) has gotten off to a great start with great leadership and enthusiasm. The 2005-2006 Executive Board is made up of President Chris Casprite, Vice

President Nathan Mulder, Treasurer Carlos Williams and Secretary Erin Roberts. TFO is open to any first year student interested in getting involved on campus and offers great leadership opportunities. Meetings are held every Monday at 7 p.m. in the Student Government Conference room. Currently, TFO is in the planning stages of forming its goals and strategic plan for the upcoming semester.

My belief and idea behind the motive and ideals of Student Government is to take a proactive stance and hear the voice of the students and act in a manner that is beneficial to the improvement and forward moving of the organization and the student body. SGA's individual branches and divisions all work as one well oiled unit to provide what is believed best for the students. Take advantage of what Student Government has to offer for the students are a powerful voice on campus and are respected by faculty, staff and administration.

Adam Richie-Halford
Student Representative

The progress committee is currently working on several projects to improve the quality of student life. Here is just a sample of what's going on!

If you've ever struggled to find a ride to the MCO-Orlando Airport, then you may be interested in the next Progress Committee project. We are currently drawing up a tentative agreement to provide students with discounted Daytona-Orlando Transportation. This service would run during holidays, shuttling students from campus to the MCO-Orlando Airport and back. Students would pay a nominal fee, and SGA would cover the rest. Stay tuned for SGA surveys on Blackboard, as

your feedback helps us implement our projects more effectively and bolsters University support for the tentative contract.

The progress committee is also working to provide student feedback to teachers on the effectiveness of the academic advising system. Student Representatives are meeting with advisors, program chairs, and department chairs from each department to discuss issues such as: the student/advisor ratio, academic advising resources/guidance, advising session tracking and evaluation, and general academic advising improvement. The feedback from these sessions will be condensed into a final report for all college deans and delivered along with the results from upcoming student feedback. The SRB will be looking for student input regarding academic advising improvement.

Finally, the progress committee is also looking for student input on off-campus use of the Eagle Card, which is already accepted at the following locations:

- Larry's Giant Subs
- Aero Supplies & Express
- Connect Café
- Daytona Chili Station
- Daytona Pilot Zone
- Great Wraps
- Heavenly Ham
- Larry's Giant Subs
- Pantheon Pizza
- Subway
- Uno's Pizzeria
- CVS/pharmacy

Pending further student feedback (look out for those surveys), we will be petitioning the other local businesses (the ones you choose) to accept the Eagle Card.

SRB working on Constitution

Ben Szutar

Student Representative

The Constitution Committee is hard at work reviewing the SGA's governing documents and ensuring that the SGA has the tools it needs to serve the students properly.

This dedicated group of individuals has an important effect on the organization because they keep the constitution up-to-date and flexible enough to reflect all of our needs. It is our belief that our constitution should be a living document that is periodically updated so that as the organization changes, our documents can guide us through those changes.

Recently, the committee has been analyzing the document, searching for ways that the rules the organization follows can be clarified. In addition, we are at war with the evil misspellings that are ever present in the constitution. In addition, several administrative changes have been made regarding who exactly is on the executive board, as well as the rules governing the divisions of the SGA. Many of the guidelines established in the con-

stitution were written in a vague fashion, hindering the effectiveness of the document. The committee is working with the Judicial Branch of the SGA to ensure that the new phrasing of the document will be easier to follow and will provide easy interpretations in the future. Finally, as time passes, organizations evolve into new entities. A great example of this is our campus radio station, Eagles FM, which needs to be updated into the constitution to reflect the new name of the division.

Any concerned student is welcome to submit their suggestions to the SGA regarding the constitution, or any other aspect of campus life. If you have a concern, or wish to assist us in making this University even better, please stop by the SGA office in the Student Center and say hello!

Eagles FM Show Profile



DJ Name: Classic Dan
Real Name: Dan Weaver
Major: Aerospace Engineering
Time at Eagles FM: Second Year on the Air
Favorite Bands: The Doors, Mars Volta, Led Zeppelin, Coheed and Cambria
Show Name: The Doors of Perception
Show Times: Monday and Wednesday 6-7 p.m.

Eagles FM is proud to present: *The Doors of Perception* with Classic Dan. On his show Dan plays all his favorite rock music, classic and progressive, underground and mainstream. If you are a fan of good rock tunes, than this is the spot for you. You will hear great tracks from The Doors, Mars Volta, Incubus, Alice in Chains, Nirvana, Coheed and Cambria and countless more. And leave it to Dan to present to you the great rock tracks you may not have heard before! *The Doors of Perception* runs from 6-7pm every Monday and Wednesday on 99.1 WIKD-LP Eagles FM so make sure to tune in!

Advertisement

SafeRide Card Reminder

Check your SafeRide cards to make sure it expires in September 2006! If it expired this year, stop by the SGA office to renew your card. Your expired card will not be accepted soon!

University of Central Florida at Daytona Beach

Open House and Admissions Decision Event

Thursday, Oct. 13, 2005

Building 150 (Auditorium)

Session starts at 7 p.m.

Registration 6:30 - 7:30 p.m.

Contact Sheri at (386) 506-4068

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Men's, women's X-Country compete at Disney

Phil Larson
Sports Editor

The Embry-Riddle men's and women's cross country teams competed in the tenth Annual Disney Classic at Disney's Wide World of Sports on Saturday,

Oct. 8. The men's team finished a notable eighth place out of 30 teams. The women placed 23 out of 33 teams.

Five Embry-Riddle men posted sub-28 minute times, the first time that has happened in the program's history. They also achieved one of their team goals by having

seven Eagle runners post times under 28:30. Six other Florida Sun Conference schools attended the classic, all finishing behind the Embry-Riddle men. Warner Southern was the closest, finishing 121 points behind the men.

In the 8K race, senior Jack McAfee set the mark for the Eagles by finishing with a personal best 26:43.29 which was good enough for 26 place. University of Central Florida's Chris Mullaney won the race with a 25:39.96. Chris Henry came in second for the Eagles finishing 60 overall with a 27:29.20. Other ERAU finishers include Chris Clover (63, 27:36.61), Jason Minor (68, 27:40.49) and Richard Carpenter (78, 27:54.09). Clover and Carpenter both turned in season-best times.

Jarrett Woodbury finished 6 for the Eagles with his second fastest time of the season with a 28:20.28 finish. Freshmen Chris Chidgey finished just behind him at 28:23.92 to become the Eagle's seventh place finisher.

"It was a good team effort on the guys' side," Rosolino said. "We're helping each other through races and it's fun to see the team progress each week. It's exciting because our ultimate goal of getting to nationals seems more and more possible."

The University of Florida took the men's team title by finishing 34 points ahead of Florida Southern (84 points) and UCF (92 points).

For the women, Freshman Beth McCubbin was the first Embry-Riddle runner to finish with a time of 21:19.36. Two of the top five women on ERAU's squad were not available for this race. The top five finishers for the Eagles included Laurel Cook (21:28.63), Francesca Martino (21:46.06), Susie Crosbie (21:57.18) and Jen Haydt (23:12.77).

"In general, I thought the women put forth a good effort and had a good race," Rosolino said. "We're trying to get healthy and put it all together for regionals."

The women's team title also went to the University of Florida (39 points) who dominated the competition. Florida Atlantic (150 points) and Tampa (152 points) rounded out the top three.

The next competition for the Eagles is the Stetson Invitational on Oct. 15. The men's race begins at 4:30 p.m. while the women's race follows at 5:15 p.m.



ADAM GREIBER/AVION

THE EMBRY-RIDDLE WOMEN competed at the Disney Classic on Saturday. The women placed 23 out of 33 teams without two of their best runners. Next up for the Eagles is the Stetson Invite on Oct. 15.



ADAM GREIBER/AVION

SENIOR JACK MCAFEE LED Embry-Riddle's men's cross country team on Saturday at the Disney Classic by establishing a new personal best in the 8K race. The men finished eighth out of 30 teams at the event and have not lost to a conference, regional or any other NAIA opponent this season.

Golf takes first, third places

Marcia Potters

Special to the Avion

This past weekend the Embry-Riddle men's and women's golf teams traveled to Haines City, Florida for the Webber Invitational. The men played 36 holes on Saturday and were led by senior Richard Grove with a team score of 598, only 8 strokes out of the lead behind Webber International and University of Mobile. After 18 holes the women were leading the tournament shooting a team score of 334, but were being followed closely by Northwood who finished at 339. Sara McCook led the Eagles, posting an 81, followed closely by Autumn Gee 82.

Sunday proved to be a good day for the Eagles. Junior Stephen Hellwege posted a low of 69, followed by Richard Grove, who posted a 73 and finished third individually and helped lead the men's team to a third place victory, ahead of Flagler, SCAD and Northwood, to name a few. The ladies posted a 320, a 14 stroke improvement from the first day. The Eagles were led by Sara McCook, who posted a 78 and Autumn Gee posting a 79. All five women finished in the top 10, while defeating rivals Northwood and Flagler.

ERAU WOMEN:
1. Sara McCook 81+78=159
2. Autumn Gee 82+79=161
6. Tara Allen 85+82=167

7. Anna Haller 87+81=168
10. Natalie Garza 86+85=171
13. Jocelyn Dunn 94+83=177

ERAU MEN:
3. Richard Grove 75+73+73=221

ERAU Individuals Top 20:
T12. Stephen Hellwege 76+81+69=226
T15. Richie Schroyer 76+74+77=227

Other ERAU Individuals:
Andy Castro 78+73+79=230
Nate Hellwege 74+77+81=232
Brett Verner 84+84+80=248
Josh Goolsby 88+83+84=255

Women's soccer wins six in a row



BILL CAMPBELL/AVION

BEHIND JESSICA GARCIA'S CLUTCH goal, the women's soccer team defeated first place SCAD on Sunday night 2-1. The victory on Sunday follows a 2-0 win against non-conference opponent Mobile and extends the Eagle's winning streak to six.

SCAD sweeps Eagles, remains leader

Jonathan Mettin
Editor-in-Chief

The Savannah College of Art & Design (SCAD) swept Embry-Riddle 3-0 (30-20, 30-26, 30-21) on Friday to remain in first place in the Florida Sun Conference (FSC). The Bees bounced back from a 3-1 defeat at the hands of the Flagler Saints earlier in the week, which snapped their 12-game winning streak.

The Bees improve to 16-7 overall (8-1 FSC), while the Eagles, who won a match earlier in the week against Southeastern, hold steady in third place with an 18-7 overall record (4-2 FSC). With the win against SCAD, Flagler secured second place in the FSC.

SCAD's defensive strategy effectively neutralized ERAU outside hitter Janelle Marininos, holding the ERAU offensive leader to 12 kills

and a meager .068 hitting percentage. Triple-teaming Marininos on several occasions, the Bees recorded 7.5 total blocks (with no solos) to help hold the ERAU offense to .053 overall.

"[Flagler] was a wake-up for us and it's good to bounce back from a loss like that and come out focused," SCAD head coach Glenn Cox told the ERAU Sports Information Department.

"We are always pleased to come out of the ICI center with a win because this is a tough place to play," he said.

Earlier in the week, the Eagles traveled to Lakeland to take on Southeastern, winning two hard-fought games on their way to taking the match 3-0 (30-17, 30-28, 30-27).

After a 6-6 tie, ERAU went on a 16-2 run to build a 22-8 advantage, thanks in part to blocking by Marininos and middle blocker Mia Jaramillo. The Eagles then cruised to an easy 30-17 victory.

Game two saw ERAU trailing 26-21 before going on a 9-2 run with kills from Jennifer MacRae, Jenni Nelsen and Marininos to take the game. In game three Southeastern closed a seven point Embry-Riddle lead to one point at 27-26, but the Eagles staved off the comeback to win 30-27.

Marinos, who finished the Southeastern game with 25 kills, and libero Nancy Salb were honored by the FSC last week, being named Player of the week and Libero of the Week, respectively. Setter Marissa Gonzales was nominated for Setter of the Week, but that distinction went to SCAD's Ally Schramer.

The FSC now enters another important week for determining playoff contenders. SCAD will play three conference games this week, while both Flagler and Embry-Riddle play Webber and Warner Southern, who are currently fourth and fifth in the conference, respectively.

Men's soccer improves to 8-1

Chris Tezak
Managing Editor

The men's soccer team improved their record to 8-1 after two dominating wins over conference schools Warner Southern and St. Thomas. The Eagles scored a combined 14 goals in the two games, continuing the offensive prowess previously displayed this season.

The two games were misty, wet and rainy with Wednesday's game getting delayed almost 40 minutes due to lightning.

The Saturday game saw a soggy field that tripped up St. Thomas but showed off the patience of the Eagle midfield. Led by team captain No. 8 Daniel Whelan, the Eagle midfield has proven their worth over the last

few weeks. Providing the spark for many long runs, and keeping the ball in the offensive zone have led to the high scoring games. They provided six goals and seven assists in the two games this week, leading the team and controlling the games.

Along with Whelan, two other players have been stepping up to the plate; No. 10 Ian Thompson and No. 9 Joe Yoffe have been putting up huge numbers. Whelan and Yoffe both had four assists in the two games to go along with two and three goals, respectively. Thompson has been the anchor of the striker corps and put three into the net himself. No. 18 Peter Masters, the third forward, alongside Yoffe and Thompson has also been contributing. The English freshman scored his second goal of the season in the

match vs. Warner Southern, and he looks to be an up and coming force on the team.

The only weak spot that may be present in the machine that is the current Eagles lineup is the defensive line. The defense was exploited in last week's game against Flagler with the Saints scoring three goals off four shots on goal. The Eagle offensive pressure has sometimes led to some breaks in the defense. Long balls over the mid-field have proven perilous, as well as some poor decisions by individual defensemen.

The Eagle men will try to continue their winning streak this week as they play Northwood on Tuesday in a Florida Sun Conference match up, then St. Xavier in a non-conference match on Saturday.



SHYAMAL ADDANKI/AVION

DANIEL WHELAN LAUNCHES A free kick toward the St. Thomas goal during Saturday night's action. Whelan scored a goal and had two assists in the 6-0 rout of the Bobcats. The junior captain leads the Eagle midfield which has accounted for six goals and seven assists in the last two games for the Eagles.

UPCOMING ATHLETIC EVENTS

VOLLEYBALL
♦ 10/14 AT WEBBER INT'L (7 p.m.)
♦ 10/15 AT WARNER SOUTHERN (12 p.m.)
MEN'S SOCCER
♦ 10/11 HOME VS. NORTHWOOD (7 p.m.)
♦ 10/15 HOME VS. ST. XAVIER (7 p.m.)
WOMEN'S SOCCER
♦ 10/11 AT JACKSONVILLE (7 p.m.)
♦ 10/16 HOME VS. NORTHWOOD (7 p.m.)

MEN'S AND WOMEN'S CROSS COUNTRY
♦ 10/14 STETSON INVITE IN DELAND (4:30 & 5:30 p.m.)
MEN'S GOLF
♦ 10/11 UNIVERSITY OF TAMPA INVITE (TAMPA, FLA.)
MEN'S AND WOMEN'S TENNIS
♦ 10/13-10/16 ITA NATIONAL SINGLES AND DOUBLES CHAMPIONSHIP IN FORT MYERS, FLA.

Industry & Technology

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The Avion, October 11, 2005

Peter Diamandis envisions new Rocket Racing League



PHOTO COURTESY WWW.ROCKETRACINGLEAGUE.COM

DIAMANDIS' ROCKET RACING LEAGUE would not be entirely unlike a 'NASCAR in The Sky.' Individual rockets would be sponsored and supported by willing companies and racers would compete in venues around the world.

Curtis Ewbank

Copy Editor

Ten canard aircraft are wheeled out to the runway. In flights of two they ignite their engines, shooting a blue flame of rocket exhaust out the back, and roar into the sky. For the next ten minutes, the backwards-looking aircraft alternately boost and glide around the airborne course. Along the course they reach speeds of 320 miles per hour. This vision was presented by Peter Diamandis, founder of the X-Prize, on October 3. He envisions rocket-powered airplane races taking place around the world by 2009. To whet the appetite of potential fans, a smaller version of the race will take place with four airplanes at the 2006 X-Prize Cup.

The airplanes will start out as single-seat derivatives of the popular Long-EZ homebuilt. XCOR Aerospace installed a rocket engine on a Long-EZ. This aircraft was meant to prove the reusability of XCOR's rocket engine. However, it is also the design inspiration for the first set of "X-racers." Each of these racers

will have two 400 pound thrust engines with about two minutes of burn time. By shutting down and restarting the engines in flight, the airplanes will be able to race around a short course. XCOR's test vehicle has demonstrated the ability to restart its engine in flight on several occasions. XCOR's rocket engine is so reliable, it is the only rocket-powered vehicle to have been used to execute a touch and go. The next generations are expected to have a single, 1,800 pound thrust engine and four minutes of burn time. The cockpits of the X-Racers will feature advanced GPS systems. These systems will project a "flight lane" onto the instrument panel. Using this "flight lane," pilots will maintain their aircraft at a safe spacing and avoid mid-air collisions.

The initial course will be a track two miles long, one mile wide, and 5,000 feet up in the air, not much different than courses currently run at popular venues such as Reno. The course will consist of highly banked turns and quick ascents that allow for long glides afterwards. As the rockets become more powerful, it is hoped that the course will expand to include altitudes stretching

to the edge of space. While the aircraft will remain in front of the spectators at all times and sport twenty-foot rocket plumes as they race, the Rocket Racing League plans a suite of sensors to enhance spectator's viewing of the race. According to the Rocket Racing League's press release, "Fans can also track their favorite pilots' progress via large screen televisions and hand-held GPS tracking devices using Wi-Fi to stream video of the cockpit, live 'on-track' shots, 'side by side' views and wing angle views." Mindful of those unable to make it to the race location, the Rocket Racing League also says, "Fans at home will be treated to a three-dimensional course where the 'tracks' pilots are following can be seen. Special effects for lap completions, barrier violations and penalties will also be a part of the show."

To complete the audience's immersion in rocket racing, the Rocket Racing League has also commissioned a video game to be made for popular gaming consoles and PC. The game will allow people to create their own X-Racers and race against friends online. The game is expected to launch in 2007.

FDA addresses Mad Cow

Bob Scheid

News Editor

The U.S. Food and Drug Administration (FDA) released its new proposal on the handling and guidelines related to Bovine Spongiform Encephalopathy, more commonly known as mad cow disease.

Following the first confirmed case of mad cow in the United States 19 months ago, the FDA has been working to close the gaps in the nation's defense against this disease. According to Stephen Sundlof, director of the Center for Veterinary Medicine, the new plan would be able to reduce the risk of infection by around 90 percent. After a year of public comment, the new regulations should take effect.

The rules would prohibit the use of brains and spinal cords in livestock feed from cattle more than 30 months old. The age limit is imposed because the risk of infection is thought to increase as the animal ages.

However, eyes and intestines, which are considered to be "specified risk materials" by the Agriculture Department, as well as blood, restaurant plate waste and poultry litter, are not restricted. Earlier, the FDA stated all potential pathways for transmission of the disease would be restricted. The changes were made to allow the use

of chicken litter in feed, because the chickens would no longer be fed high-risk cattle materials.

Feed rules are critical in this case, because it is thought the only way the disease can travel is through the consumption of risk materials, usually the brain and nervous system. It is this communication that produced around 150 fatal cases of Creutzfeldt-Jakob disease, the human equivalent of mad cow, in Britain within the past 10 years.

While the new program helps to reduce the amount of risky feed that is distributed, it is already taking fire from some consumer groups and scientists. Linda Detwiler, a veterinarian formerly of the Agriculture Department, said 90 percent removal isn't good enough for the nation.

"I'm disappointed that our government wouldn't want to remove 100 percent, given that there's emerging research that there may be more tissues that have infectivity," she said. She also noted that there was no regulation against using some parts from already dead cows in chicken, pig and pet feed.

On the other side, cattle raisers praised the new plan, because the full-spectrum plan would have caused them to dispose of 1.4 billion pounds of material annually. As it stands, however, the new plan would only cost \$14 million a year in the meatpacking industry.

"I'm disappointed ... [they] ... wouldn't want to remove 100 percent."

- LINDA DETWILER

Spanish citizens witness annular eclipse



PHOTO COURTESY WWW.NASA.GOV

CITIZENS OF MADRID AND various other portions of the Iberian Peninsula were treated to a spectacular annular eclipse on Oct. 3, the first in more than 200 years. The eclipse occurred at 10 a.m. and lasted almost four full minutes before retreating. This composite image was taken in a park near a monument to Spain's King Alfonso XII.

SF Mayor pushes for wireless Internet as a 'fundamental right'

Charlene Valerio

Staff Reporter

San Francisco Mayor Gavin Newsom recently began campaigning for wireless Internet access available to citizens of the city, free of charge.

Last week, Newsom held a press conference detailing his plans for covering the city with wireless Internet access (Wi-Fi). Wi-Fi is the short-range, wireless technology seen in most laptop and handheld computers.

The first step taken toward gaining Wi-Fi service involved a program called TechConnect, which issued a Request for Information and Comments (RFI/C) concerning the beginning of "unwiring" the city. TechConnect is run and operated by the Mayor's office, the Department of Telecommunications and Information Services (DTIS) and the San Francisco Public Utilities Commission (SFPUC).

The planned network would have 90 percent coverage indoors and 95 percent coverage outdoors. The end users would mostly be people who have Wi-Fi laptops, PDA's or phones. In this plan, antennae may be mounted on buildings so wireless LAN would be available to people in residential and commercial sectors of the city, including government.

The Internet provider of the wireless network is still yet to be determined. This could be satisfied with a city-owned wireless company or by contracting private companies. Currently, 24 proposals from private companies have been given to the city offering to provide the internet access, one of which is Google Inc.

Google is seen as the ideal choice. There is no plan, however, to offer wireless Internet access outside the San Francisco Bay Area, making the city the first test bed for a national Wi-Fi from Google.

Chris Winfield, owner of the 10e20 search engine marketing firm states, "It makes sense for Google ... they say their mission is to organize the world's

information, so the logical next step is to provide the access to it."

Google spokesman Nate Tyler says, "Unwiring San Francisco is a way for Google to support our local Bay Area community ... enabling people to find relevant information exactly when and where they need it."

In the past, Google had already begun experimenting with Wi-Fi service in some select areas of the Bay Area and New York. A recent sign of Google's possible interest in providing Internet access was its purchase of an undisclosed stake of the Current Communications Group in Maryland, tasked with providing high speed Internet connections through city power lines.

Newsom hopes to streamline the final bidding process and choose a contractor within five to six months. The mayor sees some obstacles along the way, including public hearings and city approval processes. There are also potential lawsuits by people opposed to the proposition.

Much of the criticism for this idea is due to the fact that Newsom's goal is to offer free or low-cost wireless Internet access. There are no figures yet on how much it would cost to build and operate Wi-Fi over the city, but estimates for antennas and gear range from eight to 16 million dollars.

Newsom said, "My intent is to have the taxpayers pay little or nothing ... Making wireless access affordable to the entire population of San Francisco was a vital step to differentiation the city in order to make it more competitive on a state, national and global level."

One of the proposed solutions to minimize the cost of Wi-Fi is to use a technology known as WiMAX, which provides wireless Internet using fewer antennas. Another solution proposed by Google consists of funding by the use of advertising. Online advertising would especially pay off for Google, since greater access to their search pages means more search requests and more advertising, a source that makes up the majority of its profits.

Such solutions that cut costs bring about more opponents toward the idea of free Wi-Fi. Many of

these opponents are subscription Internet service providers, including telephone and internet companies such as SBC Communications Inc and Comcast Corp, who have heavily invested into high-speed Internet connections that are dependent on phone lines and cable modems.

Also, if Google was to provide Wi-Fi service, it could divert traffic from popular websites such as Yahoo, MSN, and AOL.

There are some who believe the benefits of Wi-Fi in San outweigh the risks. Newsom singled out Wi-Fi to provide emergency information in the event of a natural disaster.

In a news conference, Newsom states, "This [Wi-Fi] is inevitable. It is long overdue ... it is to me, a fundamental right to have access universally to information."

"... a fundamental right to have access universally to information."

- GAVIN NEWSOM

MD-80 jackscrew will be inspected ... again

Oz Maitas

Aeronautica Co-Editor

Alaska Airlines maintenance personnel found a jackscrew that had not been properly lubricated on one of its Boeing - McDonnell Douglas MD-80 fleet.

The incident had been reported already three different times, first in January while a mechanic was conducting an overnight check on the stabilizer systems of the aircraft. On Sept. 19 the same mechanic noticed a dry screw on another aircraft and the airline elected to notify the Federal Aviation Administration (FAA) immediately. As a consequence, the airline initiated inspections of two dozen of their MD-80 aircraft on Oct. 1. The main focus for these checks would be the vertical screw assembly in the tail fin that moves a stabilizer that helps to control the angle of pitch in flight.

Problems with the jackscrew's lubrication led to the deadly crash of the Alaska Airlines' MD-83 Flight 261 (Puerto Vallarta, Mexico to San Francisco, CA) off the southern coast of California in January 2000. The horizontal stabilizer jammed in on a pitch down moment which caused the flight crew to switch to manual control in accordance to the checklist. While troubleshooting over the Pacific, the crew decided to make an emergency approach into Los Angeles.

As they were getting ready to initiate the approach, they lost complete control of the aircraft at 18000 feet, leading to a sixty second dive into the ocean, killing everybody on board.

The main reason for this accident was faulty maintenance that led to a lack of lubrication, which jammed the stabilizer's jackscrew and wore out its threads.

Professor Antonio Cortés (former MD-81, 82 and 88 first officer for

Midwest Express Airlines) from the Aeronautical Science Department at Embry-Riddle stated his concerns about this issue with Alaska Airlines. He mentioned how after the MD-83 accident in the year 2000, Midwest pilots would test the stabilizers of their planes prior every flight to its maximum limitation. However, by doing this they overheated the engines that drove the jackscrew up and down.

Cortés shows himself amaze to the similarities to the issues that Alaska was going through prior the year 2000 accident. He questions whether it has or has not been enough "blood priority" in this company to prevent such situation to arise again. He points out the *Services Difficulty Reports* that can be seen in the FAA website which shows all of the maintenance issues that airlines file to the administration.

Finally the Alaska Airlines discovered a problem with the plane's jackscrew assembly Wednesday October 5th on other Alaska MD-80 aircraft. However, Alaska disputes the claims and said safety was never compromised. "There are no indications that this jackscrew was unsafe or unairworthy," the airline said in a statement released Thursday.

Before the crash, Alaska had been lubricating its jackscrews about every 2,550 hours. In lieu of it and following FAA recommendation and guidelines jackscrews were to be lubricated every 650 flight hours. However, the plane that was inspected Wednesday was under this hour requirement FAA spokeswoman Laura Brown said. In spite of this, "The FAA had found no reason to order the immediate grounding of Alaska's MD-80 fleet..." Brown stated.

The airline has contacted Smiths Aerospace, a division of Smiths Group PLC that manufactures the jackscrew as well as the Boeing Company to review the matter. They are expecting to finish all twenty six MD-80 planes inspections by the end of the week.

A spokesman for the Alaska Airlines' contract maintenance company, AAR Aircraft Services, stated that the work done in their aircrafts was performed properly.

AAR Corporation is one of the world's leading aviation support companies which provides aircraft and engine parts support to many airlines in the country and over the world.



PHOTO COURTESY WWW.NTSB.GOV

ALASKA AIRLINES FACES INSPECTIONS by FAA on its MD-80 aircraft. The inspections were initiated because of non-lubricated jacksaws. Problem jacksaws were blamed for the fatal Alaska Airline Flight 261 crash.

Jet Airways buys 777s

Boeing will fill the order

Zach Mahone

Staff Reporter

As of Oct 4 the Boeing Company has confirmed an order with Mumbai-based Jet Airways for 10 777-300ERs.

This order was announced at the Paris Air Show in June, for an estimated value of \$2.53 billion. These planes will be used to expand Jet Airways fleet into Europe, Asia,

and the United States. "It is important that Jet Airways take the necessary steps to ensure its leadership position in the fast-expanding Indian aviation market," said Jet Airways Chairman Naresh Goyal. "I am confident that the operating efficiencies and passenger comfort of the Boeing 777 will help ensure the success and profitability of our growing route structure and play a pivotal role in our long-haul growth strategy."

Approximately 24,000 passengers travel daily on more than 280 Jet Airways flights to 48 destinations throughout India. Since its inception in May 1993 until

the August 2005, Jet Airways has flown over 53.5 million passengers.

The Boeing 777-300ER is the largest long range twin engine commercial airplane in the world. The newest entry in the 300-400 seat market is 18 percent lighter, consumes 24 percent less fuel per passenger, and carries 42 more passengers than the Airbus A340-600.

The Boeing 777 is preferred throughout the industry by both passengers and airlines with over 60 percent market share. The 777 family continues to expand with the recent addition of the world's longest-range commercial jetliner.



PHOTO COURTESY ADAM WRIGHT

BOEING WILL FILL AN order from Jet Airways for 10 777s. The order was announced at the Paris Air Show. The Boeing 777-300ER is the largest long range twin engine commercial airplane in the world.

Helicopters change to glass

New offers for flight deck

Oz Maitas

Aeronautica Co-Editor

Sikorski and Bell Helicopter will now offer flight decks with glass instruments on new and existing helicopter models.

At the Helitech-U.K. exhibit, a three day event which attracted more than 250 exhibitors from around the world, in Cambridge, England, Sept. 27-29, Sikorski picked Paris-based Thales to supply an all-glass cockpit for the S-76D.

This helicopter model launch was announced last February with

planned delivery at the end of 2008. It encompasses a series of higher power Pratt & Whitney Canada PW210 engines, a new composite main rotor blade and quiet tail rotor, electrical deicing and interior and avionics upgrades that will significantly enhance the performance, safety and reliability of the legendary S-76 line.

It will be the first time Thales has supplied a full cockpit for a U.S. rotorcraft program. It is also the first helicopter application for TopDeck NG, a family of new-generation Thales designs derived from the control and display system on the Airbus A380.

Thales' TopDeck suite, featuring four 6 inch by 8 inch LCD flat-panel displays, integrated modular avionics architecture and twin trackball control devices, is billed as the first

fully interactive cockpit offered on a commercial helicopter.

However, it is considered to have limited interactivity on the Flight Management System (FMS).

In a parallel move, Bell Helicopters agreed to offer an integrated glass flight deck from Chelton Flight Systems on its Bell 407 light single, beginning the first quarter of 2007.

Barry Kohler, Bell's director of commercial programs states that "All the big helicopter makers now realize they must invest [in new hardware] to remain competitive, but also to ensure adequate levels of safety and reliability."

The constant development on these technologies will signal the growing confidence in the future of military and commercial helicopter sectors.

First FAA licensed UAV flight

Oz Maitas

Aeronautica Co-Editor

General Atomics Aeronautical Systems, Inc., a leading U.S. manufacturer of remotely piloted aircraft systems, has become the holder of the first Unmanned Aerial Vehicle (UAV) to receive an experimental airworthiness certificate from the Federal Aviation Administration (FAA). The certificate, awarded Aug. 25 "defines the airspace they can operate in and the specific limitation within which they must stay," according to FAA Associate Administrator for Aviation Safety Nick Sabatini.

The Altair made its maiden flight from the company's El Mirage flight operations facility in California in June 2003. It originally was developed in conjunction with NASA to conduct high altitude scientific research and to perform flight operations in national air space. The aircraft is a variant of the U.S. Air Force Predator B designed for operations above 50,000 feet with a wingspan of 86 feet.

Altair is also planned for

extensive use by the U.S. Navy and U.S. Coast Guard for maritime surveillance because of its long endurance (up to 44 hours) and large payload capacity. Its fault-tolerant dual-architecture flight control system and triple redundant avionics make it a very reliable aircraft. The aircraft will also provide the first Department of Homeland Security (DHS), Customs and Border Protection (CBP) unmanned aircraft system (UAS). This is due to its capability to respond rapidly to emergent needs with very good performance.

The FAA has received a total of seven applications for experimental airworthiness certificates from other UAV operators. Dr. Robert C. Owen from the Aeronautical Science Department at Embry-Riddle states this certification allows the UAVs to obtain an "N" number and "for the commercialization size, it means that it can be certified" which will give legitimacy to the aircraft and capability to be insured. With this certification the UAV will have the ability to file and fly a specific flight plan. According to Dr.

Owen, Fort Huachuca in Arizona is the current Army's UAV center located near to the U.S./Mexico border. Due to this, the aircraft is tested all over the southwest border extending from Yuma, Arizona to El Paso, Texas mostly for surveillance missions about 400 feet above ground level and below. Dr. Owen affirms this certification is a "significant milestone to bring UAVs in the commercial realm." UAVs are used all over the country for investigations, crop and crowd surveillance, disaster monitoring programs and by real estate companies and search and rescue.

The main focus of these tasks is to get the right information to the right people at the right time. Steve Wegener, a scientist at NASA's Ames Research Center, in California's Silicon Valley says, "In the case of fires, we are providing wide-view aerial fire images that disaster managers have never had before and that they can overlay on maps that show exact locations of assets such as fire engines. The firemen can react more quickly to emergencies, and send assets to trouble spots."



PHOTO COURTESY WWW.AF.MIL

GENERAL ATOMICS AERONAUTICAL SYSTEMS received the first license to operate its UAV from the FAA. The Altair made its maiden flight June 2003. Seven applications for experimental licensing were turned down by the FAA.

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Ultimate Spiderman, not as cool as it sounds

Brandon Boekelman
Copy Editor

Have you ever wanted to be Spiderman? Have you ever wanted to be part of a comic book? Well, this might be the game for you. *Ultimate Spiderman* by Activision for PC, lets you be Spiderman and become part of a comic book.

The game starts with you as Peter Parker, also known as Spiderman, and there's a menace terrorizing New York City; This menace happens to be Venom. It is your job as Spiderman to stop Venom whenever you have the chance.

As Spiderman, you can do everything that he can do in the comics. He can web swing across the city, fight super-villains and interact with various people. The story of the game is dependent upon your advancement through simple city acts, such as stopping gangs or racing through a course from one end of the city to the other.

One of the core concepts of the game is the ability to change characters throughout game play. While

Peter Parker is working at the Daily Bugle, you take control of Venom. Venom has many of the same powers as Spiderman, but is much slower, which is made up for by his immense power. As Venom, you go through the city and wreak havoc, which, of course, is always fun.

The graphics of this game make it seem as though you are playing a comic book. Everything is cell-shaded, just like a comic book, however, a high resolution monitor is needed for the graphics to run smoothly. They have a tendency to slow down and become choppy, but this is easily corrected by changing the resolution of the game.

The cut sequences are one of the best aspects of the game; they are a throwback to the comic book series in their look and feel.

The camera work during normal game play leaves something to be desired. It jumps around too much for the player to actually get anything done on the first try. There is definitely a learning curve to understand

how the camera works, as it takes about two hours to get to a point where it is natural.

The control system of this game also has some room for improvement. The default configuration of the controls is entirely dependent upon the keyboard and mouse, which, for this type of game, is never a good thing. With the mediocre camera, the default control is almost impossible to work with, so changing the controls is necessary. The controls are fully customizable, but I would recommend you use either a game pad or a joystick if you want to do well in the game. Once you use one of these controller options, the game play runs more smoothly.

The sounds of this game are very diverse. The music of the game is a good variety of rock and changes

with the mood of what is happening in the game. When you are fighting a villain, the music becomes very fast and heavy, but when you are just webbing around the city, the music is fairly light. The major downfall of this game, however, also has to do with the sound. The dialogue of the game play is, in a word, tacky; you have Peter Parker saying things like "I like fighting crime." The dialogue does not have a whole lot of substance, but somehow manages to get the main points of the story across. The dialogue is entertaining, but, unfortunately, not on purpose.

My opinion of this game is that it is a decent copy of an already great series. This game is a copy of the Grand Theft Auto (GTA) series, but put in the world of Ultimate Spiderman. They way the story advances, the different side missions, the fighting system, and the ability to search for hidden little objects for unlockable items is exactly like GTA.

Overall, I liked this game, but that might be because I like the GTA series. There are some drawbacks that make this game less than what its title claims, but these are mostly minor issues. I would recommend this game to anyone who likes the Grand Theft Auto series or Spiderman. It is a good game, but not quite ultimate.



Graphics	8
Gameplay	8
Audio	7
Controls	6
Concept	9
Average	7.6

DDR Extreme sequel breath of fresh air to series

New modes, characters, bust out the dancing pads

Darrin O'Brady
Staff Reporter

A new evolution has taken place with *Dance Dance Revolution (DDR) Extreme 2* for the Playstation 2. With over 100 minutes of music, a new dance master mode, new characters and online play, *DDR Extreme 2* breaths new life into the *DDR* series.

The game features songs by popular artists such as The Chemical Brothers, Sean Paul and Fatboy Slim. Remix versions of Christina Aguilera's *Genie in a Bottle*, Beyonce's *Crazy in Love*, and many others keep you dancing through the night. New advanced step charts to older, as well as new, songs will have veterans of the game starting from scratch.

Lesson Mode is designed for beginners that are not yet dancing freaks and Workout Mode encourages players that want to use the game to exercise. There's also a training mode that allows dancers to slow down fast songs and learn them slowly.

The main new feature is Dance Master Mode which has players complete dancing missions in order to unlock new songs, game features and new characters. This is a complete change from the previous versions of *DDR* that just have players play a set number of songs to unlock more songs. It extends the life of the game and challenges players to complete all the missions and become a Dance Master.

In-game eye toy support is a cool new feature that adds another aspect to a game that was originally designed for your feet. Players will now have to use their hands to



combo challenge and survival mode that times how long you can go with only 4 chances to miss a step.

Dancers take the action online against players around the world. Players can see where they rank among other dancers and even keep track of their own progress in ranking challenges.

DDR Extreme 2 also comes with a playable demo of Konami's new *Karaoke Revolution Party* that finally combines *Karaoke Revolution* and *Dance Dance Revolution* into an in-house *Star Search*. This game will certainly have everyone of your

party laughing hysterically.

Overall, *DDR Extreme 2* is a complete evolution from its predecessors and keeps you dancing until you can't feel your feet. Veterans can enjoy the new license tracks as well as challenge themselves with new advanced dance modes. Beginners will have fun dancing to the pulsating beat that has more than a million people all over the world burnin' the floor.

Graphics	8
Gameplay	8
Audio	9
Controls	9
Concept	9
Average	8.6



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@ 1 PM Double Elimination & Handicapped
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Free Entry, Double Elimination and lasts about 2 hours
1st Place Prize is a Pool Cue & Case

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Cold War spy satellite program declassified

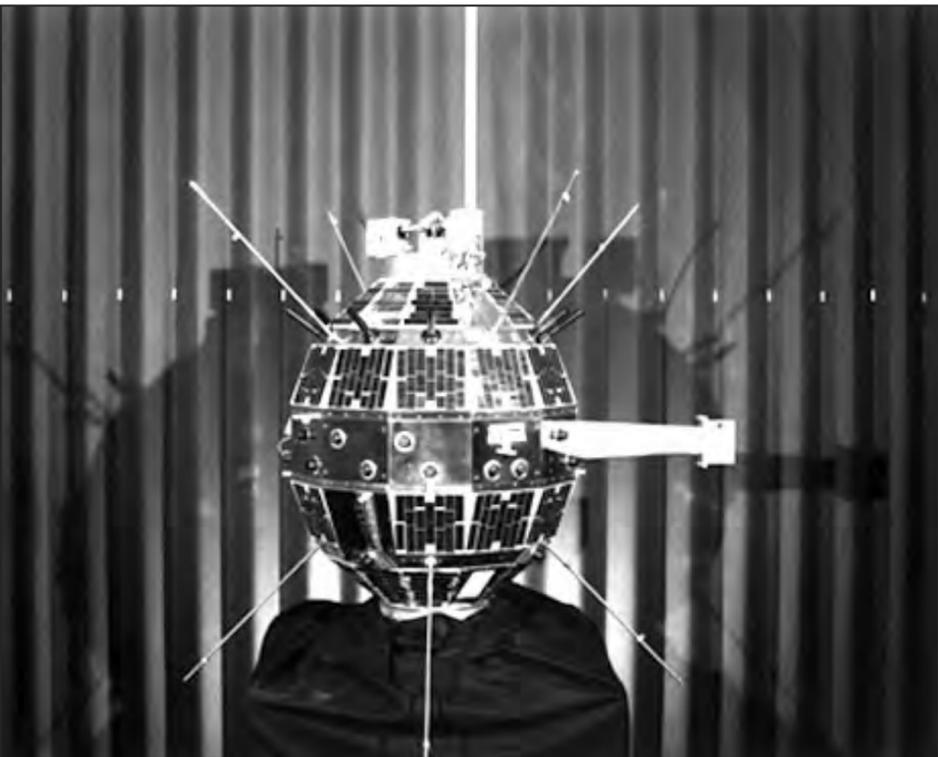


PHOTO COURTESY NRO.GOV

ONE OF THE POPPY satellites, as they were codenamed, is seen in this photo from the 1960s or 1970s. The National Reconnaissance Office recently declassified the top-secret program, which was used to pick up on electronic emissions from Soviet land and naval bases.

Poppy craft spied down on Soviet forces

Anthony Ruditsler
Data Technology Editor

Through a joint agency effort, the National Reconnaissance Office, National Security Agency and Naval Research Laboratory finally declassified a nearly thirty-year-old spy satellite program last month. Codenamed POPPY, the electronic intelligence (ELINT) system was a collection of top secret government satellites that orbited the planet to locate land and naval base emitters in the former Soviet Union during the Cold War.

Seven individual POPPY satellite launches were administered and the incoming data were carefully analyzed by an entire network of bureaus from December 1962 through August 1977, contributing a great deal to ocean surveillance and providing extensive knowledge to threatened national security during the parlous era.

With an average orbit life of 34 months, the espionage satellites were able to collect perilous discoveries from both ground radar emissions and aerial photography, which is scheduled

for public release at a later date.

The declassification has enflamed a criticism of the modern day United States stealth satellite program, scrutinized for unjustified and uneconomical spending of tax budgets. Due to the secrecy of the program, the details of the highly classified program, presently codenamed MISTY, are concealed from the public and many government officials.

Using the Freedom of Information Act and growing publicity, the National Security Archive, a non-governmental library of declassified documents, is shedding some light on the mysterious spy satellite operations.

Global enthusiasm and curiosity is also soaring as reconnaissance operations are rumored to exhibit breakthrough technologies, including a cone-shaped camouflage space shield that is able to deflect laser, radar, infrared, ultraviolet and visible satellite signatures.

The curiosity heightened with the enigmatic launch of space shuttle Atlantis, which is believed to have carried one of the spy satellites. Officials report a malfunction caused an on-board explosion, rendering the satellite useless, but underground investigations declared the fiasco may have been coordinated to ultimately conceal the satellite from possible eavesdroppers.

The American intelligence arsenal has been becoming increasingly costly in recent years, multiplying greatly during the

Reagan administration as funds poured into another top secret security detachment called "Zirconic."

Other expensive military ventures, to include the Space Based Infrared Satellite Systems project (SBIRS), the Advanced Extremely High Frequency communications satellite, and various undisclosed classes of reconnaissance satellites are quickly losing credibility on Capitol Hill as expenditures add up.

Many experts agree stealth satellite technologies, while a favorable and powerful tool to our defense, may yield little efficiency when compared to their respective price tags.

Steven Aftergood, a senior research analyst at the Federation of American Scientists in Washington, D.C., which directs the operations against government secrecy, promotes reform in covert government practices, and attempts to catalyze the declassification of pre-modern day era documents.

Aftergood argues the government should release more pertinent information into the public domain and entertain the opinions of critics and skeptics without compromising national security. "I think it is that the integrity of the intelligence oversight process has to be strengthened.

Among other things, that means reducing unnecessary budget secrecy, and curtailing industry advocacy on classified programs," Steven Aftergood says.

Lunar lander team chosen

Nicole Titus
Copy Editor

Doug Cook, NASA's deputy associate administrator for the Exploration Systems Directorate announced this week the selection of NASA's Goddard Space Flight Center, Greenbelt, Md., and Marshall Space Flight Center, Huntsville, Ala., to lead a team in the development of a lunar lander spacecraft. The Johns Hopkins University Applied Physics Laboratory is also expected to get a portion of the work.

The Robotic Lunar Exploration Program (RLEP) is intended to provide a series of robotic missions to support human

exploration. The lunar lander spacecraft is the second RLEP mission. The Lunar Reconnaissance Orbiter (LRO) is the first mission developed under the RLEP. Goddard is already at work building the LRO and it is scheduled for launch in October 2008. The LRO's primary mission is to map the lunar surface.

The lander's primary goal will be to confirm hints from orbiters that there is water ice in permanently shadowed craters at the moon's poles. The lunar lander is tentatively planned for launch as early as 2010. It will demonstrate the ability for precision landings at targeted locations on the moon; determine if lunar resources can support a

sustained human presence; and evaluate the landing zone environment. "The lunar lander will test critical automated descent and precision landing capabilities needed for human landings, including surface hazard avoidance during landing.

This mission will have as a primary objective to determine whether there is water-ice in the permanently dark areas within craters in the moon's polar regions" Cooke said.

"The existence of water-ice has important implications in living off the land when we return with human explorers. The discoveries from this mission and the data it collects will play a vital role in humans returning to the moon and living there for extended periods" added Cooke.

SS1 joins ranks of Spirit, X-1



PHOTO COURTESY NASM.SI.EDU

SPACE SHIP ONE JOINS the Spirit of St. Louis and the Bell X-1 in the National Air & Space Museum's Milestones of Flight hall, the main gallery at the world's most visited museum in Washington, D.C.

Shyamal Addanki
Staff Reporter

SpaceShipOne, the indubitable icon of private manned spaceflight, took its place in the Smithsonian Institution's National Air and Space Museum last Thursday.

Burt Rutan, the craft's designer, and Paul Allen, its financier, were present as the 28-foot spacecraft took its place between Charles Lindbergh's Spirit of St. Louis, another historic symbol of exploration as the first aircraft to fly across the Atlantic Ocean, and Glamorous Glennis, the Bell X-1 that first flew past the speed of sound.

Rutan donated the craft to the museum and mentioned in a speech at the building's lobby that he was pleased the museum recognized the importance of SpaceShipOne so quickly.

"I knew that the significance would be known and understood by everyone in 10 years," Rutan told the several hundred visitors.

"I'm extremely pleased to see it here this early," Rutan, with Allen's support, won the Ansari X-Prize a year ago when SpaceShipOne traveled to the edge of space and back twice in five days.

The prize was aimed at encouraging more private, affordable and safe space travel.

Joining an ever growing list of space entrepreneurs, Rutan believes that the private sector can be more successful at innovative space travel than NASA.

NASA is currently phasing out the space shuttle and planning to return to the moon, at a cost of \$104 billion over 13 years.

Rutan has his reservations, however. "We'll go back to the moon by not learning anything new," he said.

Rutan has a different dream. He sees a future where space resorts orbit the earth and offer excursions for lunar orbits.

His dream may not even be that far away.

Ten out of the 26 companies that were vying for the X-Prize are now viable companies, according Ian Murphy, spokesman for the X-cup, the successor to the X-prize.

"People are figuring out how they can possibly make money out of the concept of affordable, reusable access to space," said James A.M. Muncy, a Virginia-based space consultant. "This is just the beginning of the new industry."

New capsule, new crew



PHOTO COURTESY SPACEFLIGHT.NASA.GOV

THE RUSSIAN SOYUZ CAPSULE with Expedition 12 crewmembers Bill McArthur and Valery Tokarev as well as space tourist Gregory Olsen of the U.S., approach the International Space Station shortly before docking Oct. 3. McArthur and Tokarev will spend six months at the outpost.

Black holes solving mysteries

Stephen Hale
Guest Reporter

New research shows that as gas falls into a black hole, compression heats the gas and radiation is released. Against the darkness of space, black holes are invisible to the human eye.

Their immense gravitation even absorbs light. Until the present day, scientist and astronomers have only been able to observe the effects of black holes.

Using highly modified telescopes, scientists believe they can use the

radiation to "paint" a profile of the spatial phenomenon.

"Ultimately, we want to test Einstein's general theory of relativity in the strong field limit - within a strong gravitational field like that of a black hole," said Harvard Theorist Avery Broderick.

The technology is still a few years off, but several "hot spots" of light have already been located near the perimeter of the black hole, which is 25,000 light years from Earth, near the center of the Milky Way, and measures 10 million miles in diameter.

Although it covers more area of the sky than any other black hole, its angular size of tens of micro-arcseconds requires a resolution 10,000 times better than that of the Hubble Space Telescope.

To achieve that resolution, a cross-continental array of submillimeter telescopes will be utilized, effectively turning the planet into one giant telescope.

"The Holy Grail of black hole astronomy is within our grasp," said Broderick.

The black hole is finally starting to shed light on one of the universes dark mysteries.

Upcoming Cape launches

Next launch remains up in the air, yet on the ground

A Boeing Delta 4 rocket is still waiting to launch the GOES-N weather satellite from Complex 37 at Cape Canaveral Air Force Station. The first Delta 4 launch from the west coast was postponed last week for a period of one or more months, complicating things here because Delta 4 needs a month between launches on opposite coasts. For now, the GOES-N launch remains tentatively Nov. 5, but could be delayed or even moved up.

Check www.SpaceflightNow.com for the latest updates.

NET Nov. 5
Delta 4 medium
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GOES-N weather sat.
approx. 5:30 p.m. EDT
50 min. window

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

January
Delta 2
Next GPS satellite
Launch time: TBD

NET February
Delta 2
MITEX
DARPA satellite
Launch time: TBD

EDITED BY BEN COOPER

CryoSat launch fails

Ben Cooper
Space Technology Editor



PHOTO COURTESY ESA.INT

THE ROCKOT LAUNCHER streaks into the clouds over Plesetsk, only to fail moments later.

The launch of the European Space Agency's CryoSat global warming monitoring spacecraft failed minutes into its flight Oct. 8 from the Plesetsk Cosmodrome in far northern Russia.

The Rockot missile-turned-orbital launcher experience a failure about six minutes into flight, sending the launcher and its cargo into the icy waters of the Arctic Ocean off Greenland.

The \$170 million CryoSat was to be the first satellite capable of using sophisticated radar to penetrate thick ice sheets in the frozen Arctic and Antarctica. It would measure their thickness and mass and detect subtle changes over time.

Initial data indicated that a bad or missing command forced the rocket's second stage to deplete all of its fuel when it wasn't supposed, and as a result the second and third stages did not separate. The full stack of both stages with its payload fell into an area with little or no population.

Robots complete race

\$2 million to be awarded by the Pentagon

Anthony Ruditsler
Data Technology Editor

Four out of 23 sophisticated, fully self-controlled vehicles successfully finished the government-sponsored Mojave Desert race on Saturday, marking a groundbreaking milestone in military technology.

Although an official winner has not yet been announced, all of the teams are thrilled about completing the challenging 131.2 mile course, filled with steep drops, hazardous obstacles and sharp turns. Most likely to win the Pentagon's \$2 million prize is Stanford University

Racing Team's modified Volkswagen Touareg, Stanley, which finished the race in nine hours and 55 minutes. Carnegie Mellon University's Red Team Hummer finished only four minutes later, barely finishing within the ten hour deadline.

Last year's challenge yielded little results, as not a single vehicle even came close to crossing the finish line and claiming the \$1 million award.

This year's race attracted competitive academics, students, private companies and enthusiasts all over the world who developed complex software and intricate algorithms to allow all vehicles to operate completely independently, without any sort of remote control or human interaction. Red Team's customized Hummer



H1 controlled itself with an elaborate system of radar, laser, visual and early warning sensors, guided by a global positioning satellite to safely steer the machine. Over 100,000 lines of code written to operate it were executed by six onboard Pentium M processors, a low-power chip designed specifically for the telecommunications industry.

The Pentagon is extremely satisfied with the outcome of the race, which drives them closer to their objective of making one-third of all military vehicles completely autonomous by 2015. DARPA hopes to incorporate the technologies used in the race to eliminate the human factor in modern warfare, lowering casualties and further improving American combat ingenuity.



PHOTO COURTESY EXTERNALRELATIONS.ARC.NASA.GOV
CARNegie MELLON RACE TEAM'S "H1lander" turned out to be a successful contender for the 2005 Grand Challenge. The 1999 Hummer H1, donated by AM General, uses an electronic CANbus, a 6.5-liter factory turbo-charged diesel engine, traction control and locking differentials.

Netscape browser to ship with HP computers

Bob Scheid
News Editor

For the first time in years, a new PC computer will be shipped standard without Internet Explorer as its primary Internet browser.

Hewlett-Packard has reached a deal with AOL-Time Warner, the owner of the Netscape Internet browser, to begin shipping all new HP computers with Netscape standard alongside IE. Users will have the option to choose the browser they prefer to use, without having to download new software.

No terms were immediately released by AOL, and HP gave no comment on the subject.

The fight between Netscape and IE dates back to 1999,

when AOL first acquired Netscape and began suing Microsoft for anticompetitive practices about their installation of only IE with Windows, which is almost always preloaded on all consumer PC computers. That suit was settled in May 2003 for \$750 million when the court ruled Microsoft was in violation of antitrust laws.

In addition, the problem that some pages are designed to only be viewed by IE has been circumvented by a new feature in the newly released Netscape version 8.0; if the site is considered "safe" from most threats like spyware and viruses, the browser will automatically open it using the IE protocol to allow the page to be viewed.



However, if the site is not listed as safe, Netscape will open it using the same method Firefox uses to open pages, which is generally more secure but may cause compatibility issues with some pages.

Firefox has also contributed to the new version of Netscape. The recent security issues that were fixed in patches for the open source browsers were also corrected using the same methods for Netscape.

America Online spokesman Andrew Weinstein said, "There's a lot of movement in the browser area now, and consumers are clearly looking for a choice." He went on to note AOL is pursuing similar deals with other computer manufacturers.

As a result of this deal becoming public, the stock of both Firefox and IE fell slightly to Netscape's gains.



Sun, Google deal seen as threat to Microsoft

Shyamal Addanki
Staff Reporter

In another move threatening Microsoft's dominance of the desktop software market, Sun Microsystems and Google struck a multi-million dollar deal last Tuesday to promote each other's software.

While details of the deal were not completely disclosed, Google will offer Sun's Java Runtime Environment technology along with the Google toolbar downloads. In return, Sun will bundle the Google toolbar when users download Java directly from Sun.

Desktop Java is required to enable PCs to run OpenOffice and other software that Sun provides. Most of Sun's software can be downloaded for free.

OpenOffice is Sun's open source answer to Microsoft's stronghold on the suite of office applications such as Microsoft Word and Microsoft

Excel. With Java on their desktops, users will be able to download and use OpenOffice with greater ease.

Since OpenOffice is an open source programming platform, analysts say the arrangement could lead to more applications being created to work like OpenOffice.

"Working with Google will make our technologies more available more broadly, increase options for users, lower barriers and expand participation worldwide," said Sun CEO Scott McNealy when announcing the agreement last Tuesday.

In response, Google CEO Eric Schmidt said the toolbar would work well with the significant market that Java caters to, which includes millions of mobile devices and desktop computers.

"Toolbar users are more sophisticated, use advertisers in more sophisticated way," Schmidt said.

"Google and Java are two of the most widely recognized technology brands because they provide users with online tools that enhance their lives on a day-to-day basis"

McNealy tactfully side-stepped press questions about whether the move was aimed at battling Microsoft.

"It's giving the customer choice," he said.

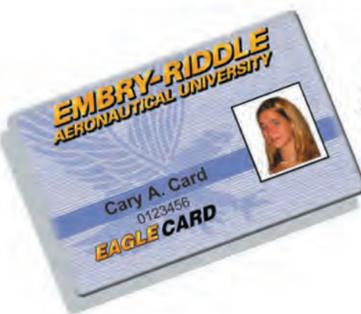
"There are lots of choices out there." Google and Sun are not new friends by any means. Many of Google's engineers are former Sun employees, the two companies shared many of their early investors and Schmidt was actually a longtime Sun employee.

Working with Google will make our technologies more available ...
- Scott McNealy

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Federally-funded bank of stem cells established

May lead to tremendous discoveries in many fields

(NIH) declared it will also aid additional stem cell research centers at the University of California and Northwestern University of Chicago, dispersing \$16.1 million and \$9.6 million, respectively.

"The National Stem Cell Bank, awarded to the WiCell Research Institute in Wisconsin, will consolidate many of the federally funded eligible human embryonic stem cell lines in one location, reduce the costs researchers have to pay for the cells, and maintain quality control over the cells," a NIH press release stated.

With President George Bush's compromise with Congress in August 2001, federal funds can now make their way to study batches of human embryonic stem cells that have always existed. However, many scientists claim

the specimens available to legally research are outdated, making it difficult for them to fully analyze and characterize the permitted batches. Meanwhile, Capitol Hill contemplates the question of exactly what type of research should be permissible and how much the federal policy should encourage the studies.

"Although the creation of this center is very important, I hope that NIH will ultimately decide to fund additional similar centers across the United States to support this rapidly expanding field," Dr. James Thomson of WiCell, who will lead the stem cell bank, remarked.

Unlike normal adult cells, embryonic stem cells have the ability to transform into any cell in the human body. This infinitely

self-replenishing source of cells can be used for virtually anything, including bone marrow, muscle and neuron tissue and blood cell work. These cells are derived from fertilized embryos that are only a few days old.

Using surplus embryos, which are most often discarded by in vitro fertilization clinics around the world, stem cells were successfully isolated by a team of scientists at the University of Wisconsin while attempting to treat infertility using donated embryos of infertile couples.

In addition to promising clinical breakthrough, stem cell research has also helped the study of human development in the earliest stages, which have previously been impossible to study in the human uterus or animal models. Experts

speculate this may lead to tremendous discoveries in the causes of birth defects, infertility and pregnancy miscarriages ultimately leading to the prevention of abnormal human development altogether.

Although still in its initial stages, pluripotent stem cells have offered a potential to cure countless diseases, including Parkinson's, Alzheimer's, diabetes, heart disease, stroke, spinal cord injuries and even severe burns by growing specific tissues for transplantation purposes.

Scientists need to be able to understand the particular specialization of these cells in order to fully implement direct use of stem cell research, but with the vigorous ethical debates and modest government collaboration, the future of this study appears grim.



PHOTO COURTESY WWW.NIDCR.NIH.GOV
THE CLONING OF DOLLY the sheep in 1997 was a visible example of stem cell research.

Hurricanes increasing in intensity

No conclusion yet if linked with global warming

conducted the study, recently published in *Science*. Wester said, "Since 1990, the number of Category 4 and 5 hurricanes has almost doubled, averaging 19 per year globally."

Some scientists believe the increases in hurricane strength and sea surface temperatures are part of a natural cycle that would be compensated by decreases in other regions. However, the study finds that the increases are worldwide.

Webster said, "There's a plus and minus with oscillations. What we see is a universal increase [in temperature] and a universal change in hurricane intensity."

It is well established by atmospheric researchers that warm ocean water fuels hurricanes. Webster said it is logical to think the more fuel there is, the more intense the storms.

"Our work is consistent with the concept that there is a relationship between increasing sea surface temperature and hurricane intensity. However, it is not a simple relationship," said Webster. "In fact, it's difficult to explain why the total number of hurricanes and their longevity has decreased during the last decade, when sea surface temperatures have risen the most."

The study concludes that before the observed trend can be linked

to global warming a longer data record must be compiled and researchers must formulate a better understanding of how atmospheric and oceanic circulation trends affect hurricanes.

Webster said, "Without this understanding, a forecast of the number and intensity of tropical storms in a future warmer world would be merely statistical extrapolation."



PHOTO COURTESY WWW.SRH.NOAA.GOV
HURRICANE KATRINA'S DAMAGE TO the gulf coast region could be a sign of things to come as researchers have found a trend of increasing intensity in tropical storms over the past 35 years.

Physics Nobel prize awarded for optics

Applications include space telescopes

Michael McGraw
Staff Reporter

The 2005 Nobel Prize in Physics was awarded to two Americans and a German for their work in optics, which has allowed extremely accurate measurements of time and distance. The new advances will allow future developments in telecommunications and space travel as well.

Americans Roy Glauber and John Hall, along with Germany's Theodor Haensch were the recipients of the award. Their research centered on studying light and harnessing lasers to gauge frequencies to an extreme level of precision. The scientists' research answered questions such as differences between candle-light and laser beams and how light can be a more accurate measure of time than an atomic clock. Essentially, a measuring stick of light and lasers was

created to measure time more accurately than an atomic clock.

Glauber, an 80-year old professor from Harvard University, will take half of the 10 million Swedish kronor prize (about \$1.3 million). He authored a theoretical description of the behavior of light particles, explaining the differences between light from various sources, as well as establishing, in 1963, the basis for quantum optics.

Hall and Haensch researched the color of light in atoms and molecules with extreme precision. Haensch, 63, created the technique, which uses even-spaced laser pulsars, similar to the teeth of a comb or marks on a ruler, to determine the value of frequencies. Hall, 71, refined the technique.

The pair's research can be put to use in highly-accurate clocks as well as new technology for Global Positioning Systems (GPS). Accurate navigation accuracy based on these discoveries could lead to longer space journeys and improved space-based telescopes. Advances in telecommunications technology are also possible.

Commercially, the technology could lead to 3-D holographic televisions available to the everyday consumer.

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ARTS & Life

Inside Section C

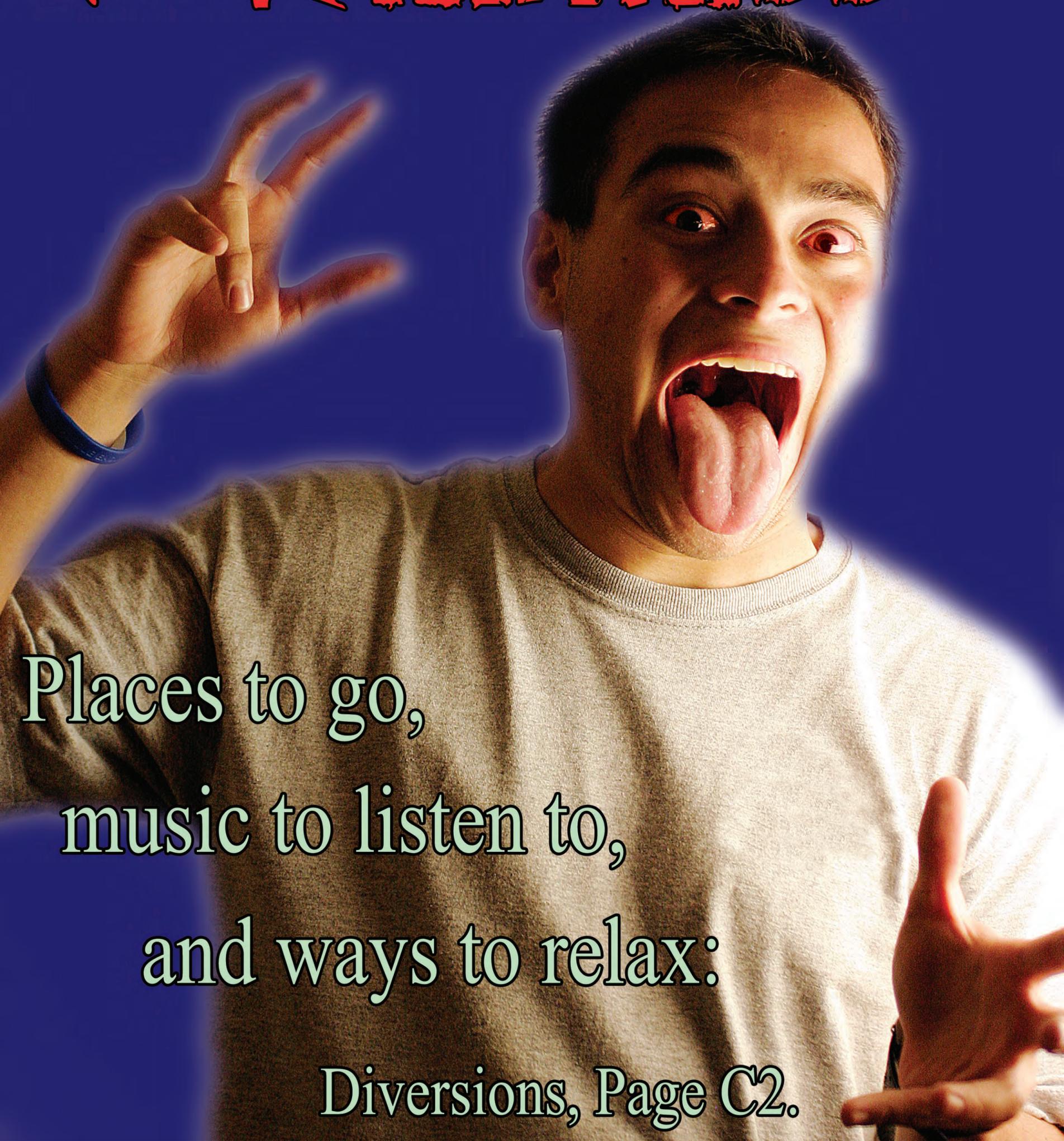
DiversionsC2

ComicsC4

ClassifiedsC5

The Avion, October 11, 2005

MIDTERM MADNESS



Places to go,
music to listen to,
and ways to relax:

Diversions, Page C2.

Physical activity helps reduce stress levels

Ashley Moore
Diversions Editor

Catching a cold during periods of high stress levels is common for college students who do not properly take care of their mind and body.

As a student, it's hard to conceptualize that exercising and reducing stress levels are just as important to one's grades as studying. Students without stress outlets become subjected to stress-related ailments such as panic attack, depression, sleep disorders and hypertension.

Participating in outdoor activities allows a person's body to release chemicals called endorphins. Endorphins are viewed as the body's stress fighters because they give a person a feeling of euphoria. Endorphins give a person the

feeling of elation and delight, as would morphine or codeine.

One of the best ways to reduce stress, prevent sickness and increase one's endorphin level is to get outside and take up a sport. Many people believe exercise is the best way to stay healthy when instead leading a physical lifestyle is a more attainable route.

Exercising implies that one must be regimented in going to the gym and focusing on certain muscle areas.

By leading a physical lifestyle, one can take up many different activities without being tied down inside the gym.

Activities and sports such as running, soccer, volleyball, rollerblading, kick boxing and yoga allow a person to have fun while working

many different types of muscles at a time. College students have quickly adapted America's fast-paced demanding lifestyle that is full of stress, fast food and quick cures for colds.

Instead of taking the Z-pak next time you get sick, contemplate changing your lifestyle into an active one.

By taking up a sport and increasing your endorphins, you will be ensuring a healthier and longer life.

“**Endorphins are viewed as the body's stress fighters ...**

- ASHLEY MOORE ”

Engineers and pilots alike use common stress relievers

Stress is a natural part of everyone's life. Each person has a different amount of stress depending on what is happening in his or her life. College students have decent amounts of stress; classes, work, extracurricular activities and a social life can sometimes be overwhelming. Learning to relieve stress is extremely important-I have several specific tactics I use to calm myself when I am feeling overwhelmed.

I usually go home after work and drink a beer or have a glass of wine. It helps me to relax and I find I can focus easier on homework and studying. I also like to take baths and sometimes put lavender oil in the water. If I have the time, I will take a nap or go to bed earlier than usual. Here are a few other stress relief ideas for you to try if you are feeling overwhelmed:

- Listen to classical or soft music
- Watch your favorite movie or television show
- Call a friend you have not seen or spoken to in awhile
- Eat at one of your favorite restaurants
- Meditate
- Physical Activity (running, working out)
- Video games
- Relieve sexual tension
- Go to the beach

Give any of these a try; hopefully they can help you to live a more stress-free life!

Contributed by:
Sam Lawrence, Jake Wacker, John Turansky and Chris Ventre

Taking breaks reduces stress rates



IAN HUGHES/AVION

SPORTS ILLUSTRATED AND COSMOPOLITAN helps students release stress while studying for mid-terms. Taking small breaks to read magazines and newspapers help remove the source of stress temporarily. Breaks also give the brain a chance to process information.

The Sun is unpredictable

Stephen Hale

Guest Reporter

The Sun claims to be "rising on a new digital age" with the release of their debut album "Blame it on the Youth."

Granted, the idea of putting a CD in stores that can only be played in DVD players or DVD-ROM drives is ambitious. At the same time, it's down right ludicrous. For those of you still packing disc-mans, be warned: this album will not work in your media device! The simple fact that a warning must be issued is evidence enough that we have not yet arrived at the new digital age. Not everyone is equipped with computers and mp3 players.

Now, beyond the formatting of their album, The Sun has something to offer. Their music is original. Perhaps unpredictable is a better term. One song may be a catchy pop-rock tune, while the next disintegrates into unintelligible progressive sounds. In a world that's congested with Nickelback wanna-bes, it's relieving to know someone is out there trying to make their own sound.

These sounds aren't always pleasant, however. Repetitive vulgarity reverberates throughout "Justice," and some songs become a little too creative, falling apart into screaming, blaring keyboard and a faint

base line. Where these songs fail is when special formatting comes into play. All songs have an accompanying music video on the disc. If the audio alone is difficult to trudge through, then perhaps the video can redeem the experience.

The videos themselves range from brainless comedy to explicit anti-war themes, very reflective of the lyrics. Notice the parental advisory sticker; it's there on account of both the audio and video contents.

This raises an interesting issue, as music is no longer an auditory

experience, according to The Sun's release. Now parents have to worry about what images might come with today's most popular tunes.

Despite the short comings of this album, the band must be commended for their creativity and willingness to pioneer the "new digital age."

Unfortunately, one gets the feeling that the effort to put together the perfect audio-visual blend has made in "Blame it on The Youth" a master of neither experience.



Swim, scuba and manatee watch

Andy Kwok

Staff Reporter

Blue Spring State Park, located in Orange City, is a very unique natural attraction in Florida that definitely deserves an afternoon visit.

Famous for its spring branching out to the St. John's River, it attracts nearby residents and tourists throughout the year. The fresh water of Blue Springs sources from an underground limestone layer which serves as Florida's aquifer. The freshwater is said to have an annual average temperature of 72 degrees, which is ideal for swimming and also serves an ideal winter home for endangered manatees.

The park established two designated water entry points for swimmers to enter the spring; this is in response to a landslide caused by visitors

stepping on the plants that hold up the soil. Since manatees occasionally station near the spring area, the park also places a heavy fine on visitors who touch or otherwise harass the endangered manatees.

Scuba driving to the spring head is also popular amongst its visitors, but they must register with the park office which provides snacks, swim floats and canoe rental services. Several pavilions and a playground are built next the St. John's River by the park services as a resting and barbeque area for visitors.

The Thursby family, the original settlers of the Blue Spring area during the late 1800s, constructed a house, which still stands today, adjacent to the pavilions. The house is now used as a miniature museum, which contains several objects owned by the Thursby family. On the other side of the barbeque area is a

pier on the water, which was once a stop for the steamboats; visitors can now fish there.

Although the spring is the park's main attraction, cabins and outdoor camping are also available to visitors wishing to stay overnight at the park. There are a total of six fully furnished cabins within the park, which are available by reservation. If one wishes to spend only an afternoon

at the park, hiking over the natural historical trail or taking a cruise tour operated by the park can be great alternatives. The two-hour-long narrated is only offered twice a day.

Hontoon Island, sister park of Blue Spring is just across the St. John's River. It might serve well as a substitute for those who find Blue Spring crowded, but still wish to enjoy nature.



PHOTO COURTESY WWW.ABFLA.COM/PARKS/BLUESPRING/BLUESPRING.HTM

Noise Conspiracy worthwhile band

Bob Scheid

News Editor

The first thing that must be said about The (International) Noise Conspiracy is that these guys are not your average band.

To go along with that, I suppose, the second thing that must be said about The (International) Noise Conspiracy is that their album *Armed Love* is not your average album.

Let's tackle these things one at a time. First, the band: lead singer Dennis Lyxzen, formerly of the group Refused, is quoted as saying

“**... we are a revolutionary, anti-capitalist ... rock band**

- DENNIS LYXZEN ”

they don't want to lead; they just want to be playing the music as it happens, composing the soundtrack of the fall of capitalism. They want to spread a message, and they succeed.

The subtitle of the album should probably be "O Bailan Todos, O No Baila Nadie;" "Either everyone dances or no one dances," words that were written on the wall of an upper-class nightclub in Uruguay and interpreted by the band as a perfect mesh of politics, class struggle, and art. And though the band is Swedish, they enjoy an art style for their case and website that can best be described as a crossbreed of 50s Soviet propaganda and American punk art; red is the color of the day, and if something is level, it's by pure accident.

But, everything of value is obtained at a cost. Unfortunately, in this case, it seems to be the music. Don't stop reading; this is definitely a qualified remark. The music is not bad, but it's not exceptional in and

of itself. The songs are catchy, but not memorable, at least, not for the first few runs of the album.

The singing is skilled, but generic; Lyxzen voice is very much the same as any number of other rock bands from the turn of the millennium. All in all, the album is good for the music, and (if you like the communist movement) great on the lyrics, the fusion between the two seems to break down in some of their songs.

The characteristic that stands out the most in my mind is the energy packed into the music, though. It suits many of the songs

they play, but after half the album, you begin expecting a slow song to really round out the repertoire. You won't get it, but you will get just about everything from jazz to punk to rock.

At the end of the day, I'd call this a slightly above average rock band with a good variety of song styles. If you are into high-energy bands that absolutely do not slack off for a good 45 minutes, this might be worth a try.

If you're into political movements, this might be worthwhile. Everyone else, definitely listen to it before you make a decision.



PHOTO COURTESY WWW.INTERNOISE.COM

Neil Young releases

Latest album, PrairieWind, is old-fashioned

Zach Mahone

Staff Reporter

The past few years may have been rough for Neil Young, surviving a brain aneurysm and turning 60, but it sure doesn't affect his latest album-*Prairie Wind*.

Sure, his voice may quiver at some of the high notes, but the cracks and wrinkles just reinforce the sense of wistful nostalgia that is represented by *Prairie Wind*.

Despite the fact this album is very simple, there is something proudly old-fashioned about

Prairie Wind, specifically in its simple visions of America, as in the title track's central image of a farmer's wife hanging laundry in the backyard.

The lyrics are especially bland, but are very effective and perfect for the music (in its defense). Touches like the harmonica solo in "Here for You" are so pretty, fans won't count how many times they've heard them before. The opening ballad, "The Painter," sums up the mood: "I have my friends eternally. We leave our tracks in the sound."

Some of them are with me now. Some of them can't be found."

Nothing earthshaking here, just Neil Young getting mellow while brooding over how little time leaves behind as it fades away.

For more information on *Prairie Wind* visit www.neilyoung.com.



Ashley's Assertion

Over the last three years at Riddle, I've discovered a few stress relievers that have helped me get through mid-terms and finals.

I'm going to share a few of my cool-collecting methods that help me stay off of bridges and out of mental hospitals during periods of high stress.

My first stress relieving tip is ... make lists. When I find myself with more tests, projects and quizzes than I can handle, I make a list of everything I need to study and begin allocating time to those classes.

When blocking off large amounts of time for classes, I always make sure I give myself plenty of time for snack breaks and power naps. I suggest you do the same.

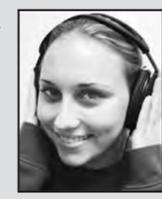
Second stress relieving tip: when studying late into the night, 7-11 is a great source of 24 hour caffeine; slurpees and coffee are great excuses for "change of scenery

breaks." Now, while "change of scenery breaks" can be beneficial while studying, you must be careful where your taste buds take you.

This past Thursday I met two students at Robbie O'Connell's Pub finishing up some homework. These students had the right idea, taking highly stressful homework to a stress-free atmosphere where they could enjoy their favorite brew while calculating for class. If you choose to follow in these student's footsteps I must warn you to beware. The bar atmosphere could deter you from the completion of work, especially if you have a lot of friends who visit that particular

watering hole.

My last stress relieving tip is to take time to go out on the weekends and visit with friends. Sometimes the best form of stress relief is socialization and a good time. Go out and blow off some steam!



Ashley Moore

Diversions Editor



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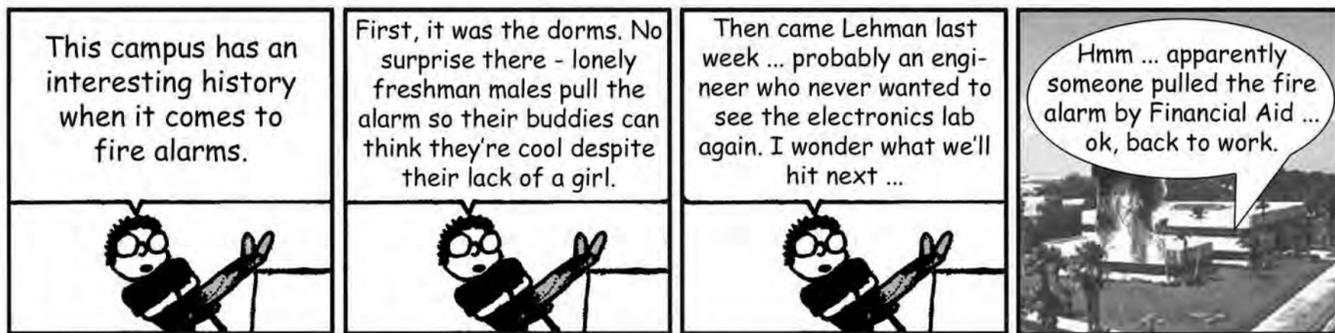


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The Riddle of Life

By Jonathan Mettin

College traditions: drinking, partying, and fire alarms.

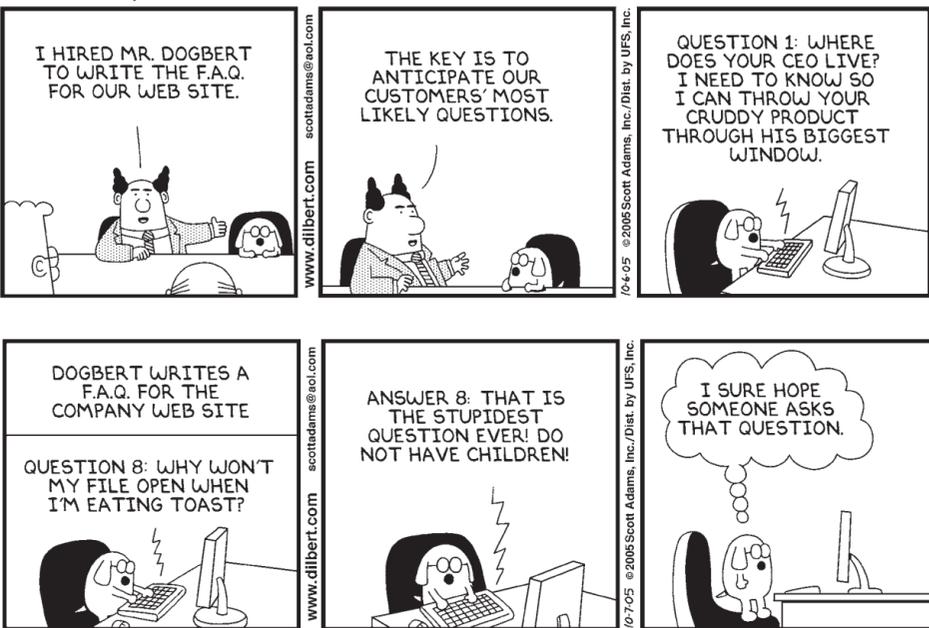


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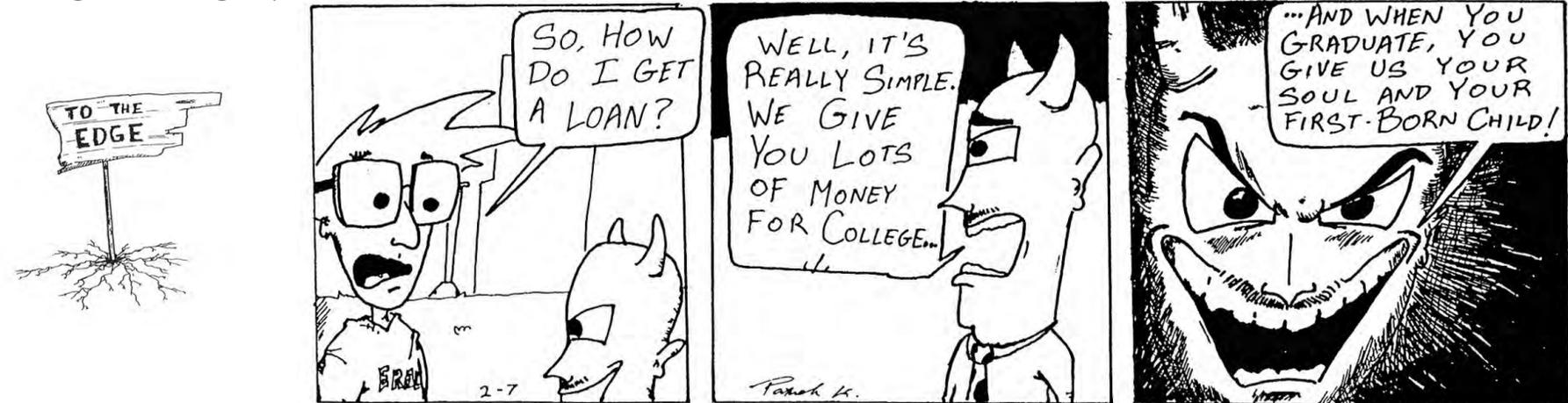
Dilbert by Scott Adams



Frazz by Jef Mallett



Living on the Edge by Patrick Kokorian



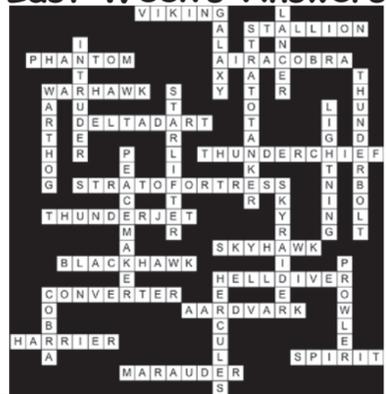
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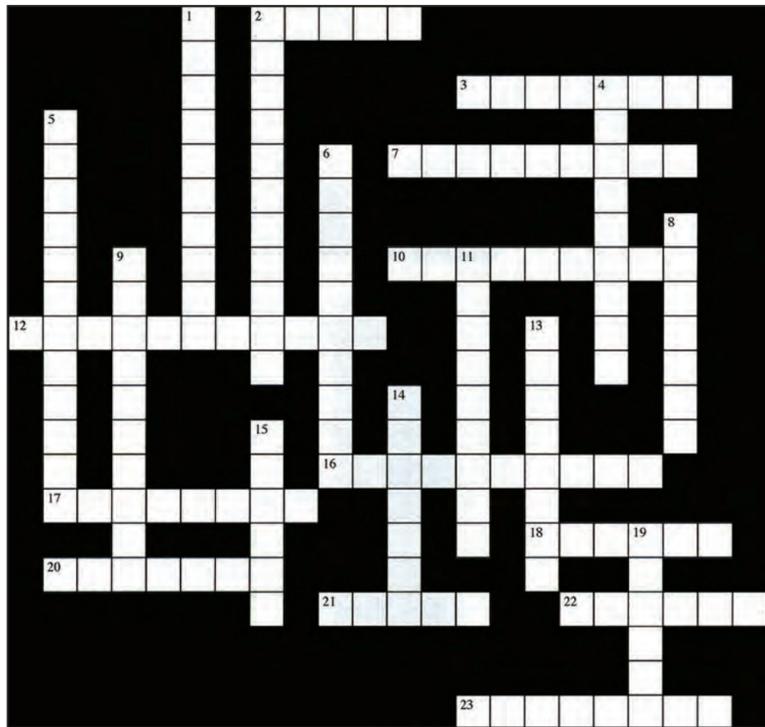
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- | | |
|---------------|-------------|
| ACROSS | DOWN |
| 2 MCN | 17 HNL |
| 3 PRC | 18 AUS |
| 7 FLG | 20 GEG |
| 10 BWI | 21 ORD |
| 12 GNV | 22 DLH |
| 16 SMF | 23 SRQ |

Last Week's Answers



- | |
|--------|
| 1 LAX |
| 2 MSP |
| 4 CLT |
| 5 DAB |
| 6 MSY |
| 8 EYW |
| 9 SAT |
| 11 DAL |
| 13 LAS |
| 14 ICT |
| 15 IAD |
| 19 TOL |



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ERAU vs. Northwood University

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8:00am– 4:00pm Alumni Hospitality Tent at SkyFest Daytona Beach Intl Airport
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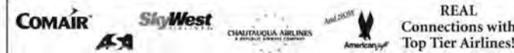
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Blue and gray. Straight 6 engine. Asking \$500 as is. Call Bill for details. (386) 852-7212.

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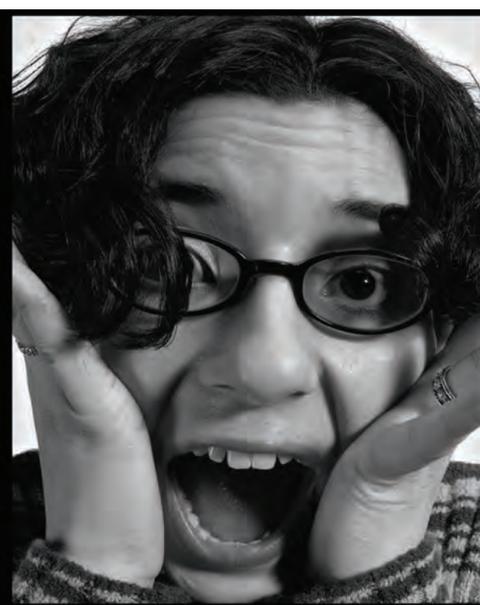
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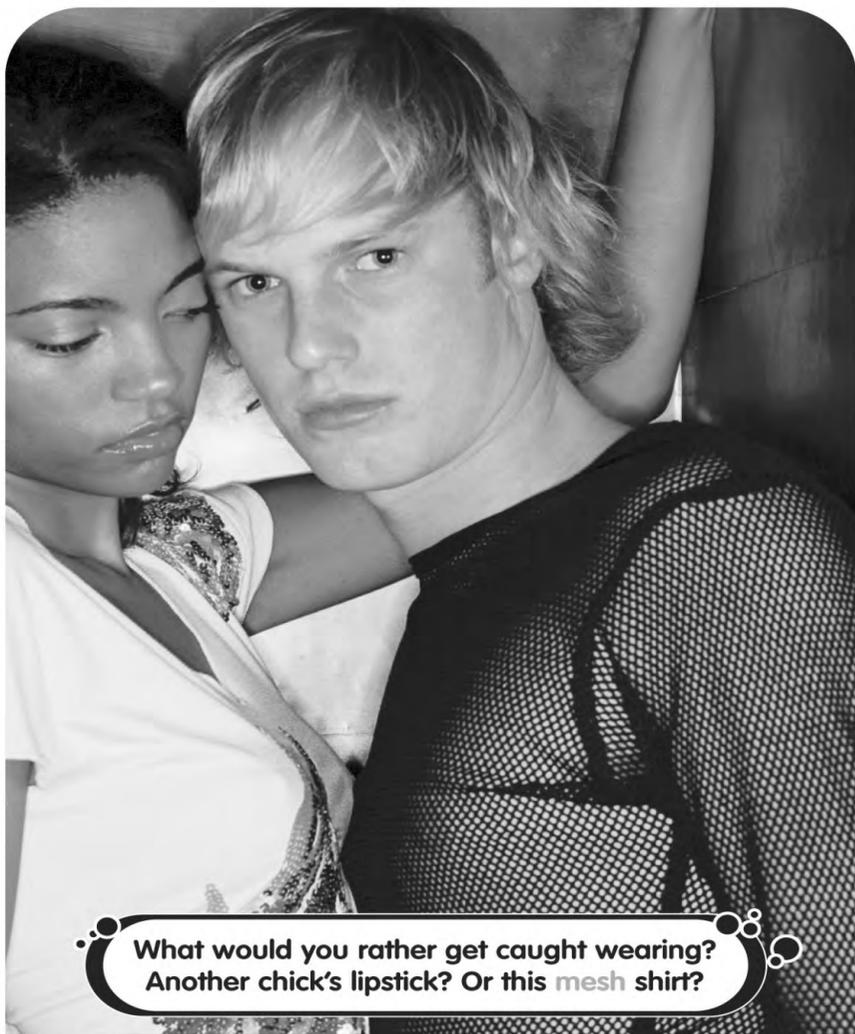


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