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Embry-Riddle Aeronautical University

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An Award Winning Newspaper by Students for Students.

THE AVION

A Division of the Student Government Association

Embry-Riddle Aeronautical University Daytona Beach, Florida

TUESDAY
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Volume CXIII • Issue 5

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Hurricane season setting records

Dennis & Emily set records for earliest storms

Levi Jordan
Staff Reporter

For the third time this year, and only four weeks into the Atlantic hurricane season, a tropical storm or hurricane made landfall in the state of Florida. Tropical Storm Cindy came ashore during the night on July 12 near the mouth of the Mississippi River in Louisiana with sustained winds of 70

mph, just shy of hurricane strength. On July 17, Hurricane Dennis made landfall near Pensacola, Fla. as a powerful Category 3 hurricane, killing five people in Florida and Georgia and cutting power to more than 850,000 people and becoming the fifth hurricane to strike the Sunshine State in less than eleven months.

Cindy's trek across the Gulf of Mexico forced the evacuation of 23 of 819 oil platforms and six of 135 oil rigs, according to the Minerals Management Service. Cindy caused a shutdown that interrupted more than four percent of the Gulf's normal oil and natural gas production, pushing oil prices above \$61 a barrel.

The storm caused numerous flights in and out of the New Orleans airport to be canceled, while Amtrak suspended passen-

ger rail service to and from the city for two days. In Atlanta, the storm spawned a tornado that left the Atlanta Speedway devastated. In Mississippi's coastal Hancock County, prison inmates filled sandbags for distribution to flood-prone areas, said Dee Lumpkin of the county's Emergency Operations Center.

Five days after Cindy made landfall along the Gulf Shores, and with the ground already saturated, Hurricane Dennis, the first hurricane of the season, made landfall in almost the exact location Hurricane Ivan did only ten months prior, and at almost the same deadly intensity.

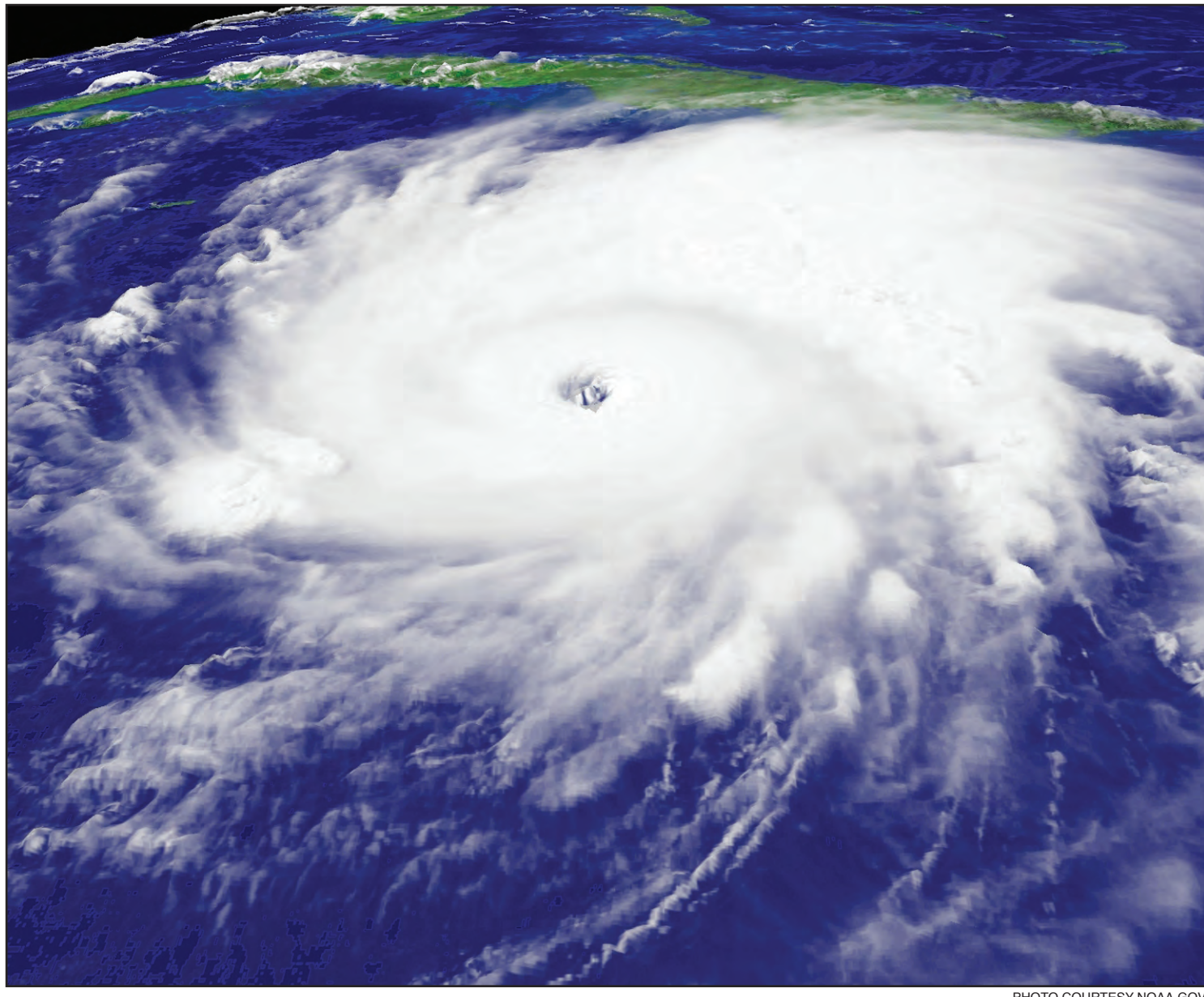
Dennis formed on the same day Tropical Storm Cindy made landfall, making July 5 the earliest date in recorded tropical storm history that four named storms have formed in the Atlantic basin, the

National Hurricane Center said.

As of 8 p.m. on July 6, Dennis packed maximum sustained winds of almost 80 mph with its center about 280 miles east-southeast of Kingston, Jamaica, thereby prompting the hurricane center to reclassify it as a category 1 hurricane. By Thursday night Dennis had intensified into an impressive Category 4 hurricane as it churned off the coast of central Cuba before making landfall near Trinidad, Cuba while moving northwest at about 17 mph. Dennis became the earliest Category 4 hurricane ever recorded in the Caribbean basin.

Cuban President Fidel Castro said the storm left 10 people dead on the Caribbean island. Dennis was also blamed for at least five deaths in Haiti.

The National Weather Service quoted the Cuban Meteorological Service and Civil Defense as saying more than 85 percent of the power lines were downed in the Cienfuegos area, and "extensive damage had occurred to the communications



HURRICANE EMILY IS SEEN approaching the Yucatan peninsula, passing just south of Jamaica after reaching its greatest intensity, just shy of Category 5, with winds of more than 150 mph, a meteorological development virtually unheard of in mid-July.

Please see "STORMS" page A2

Mods not coming after all

New resident hall to be in place by 2007, says Watret

Jonathan Mettin
Managing Editor

After missing the deadline for having modular housing units in place for the Fall 2005 semester and lower than expected enrollment numbers, the university has decided not to purchase any of the "mods." The administration now says that the university can have a new permanent dormitory ready for occupancy in two years.

Before leaving for an overseas vacation last week, Associate Chancellor Dr. John Watret said that the school decided on its next four projects: an expansion of the Capt. Willie H. Miller Instructional Center (the project is also called Academic Complex One), a new 200-bed dorm to be placed near McKay Hall, a new fitness center where the Tine W. Davis pool complex now stands and a new administrative building to be placed near Corsair Hall.

"Those are the top four priorities going forward," said Watret.

"The upper administration decided to forgo the moduls and actually invest in giving us a permanent facility sooner," Director of Housing Tom Hilgers said.

All four buildings are in the initial stages of planning. According to Joan Wilkening of University Construction and Planning, the first preliminary sketches, referred to as schematic designs, of the new administrative building have been submitted to the university and will now be reviewed by various construction firms for feasibility.

As for the new residence hall, no plan has been submitted as yet, but Watret says he's confident that the university can have the building up by the fall of 2007.

While rumors have been circulating that the new building will be completed by this time next year, Margee Churchman from Facilities Planning and Design said that is not very likely.

"It would be a miracle," she said, "unless somebody already has plans drawn up and we can plow it down somewhere."

Watret said the new dorms would most likely be placed on or near the basketball and tennis courts near McKay and Doolittle Halls. McKay has had its residential network upgraded and the structure shored up so that it can be used until the new dorm is completed.

Hilgers says that the loss of the beds provided by the moduls is not as severe after the incoming freshman class proved to be smaller than initial predictions.

"The positive thing is that we're not as crunched for space [as] when we last talked about the moduls," he said.

While two floors in Wood Hall and part of one floor in Adams Hall will have to house three students, Hilgers said that this is not unusual and was actually expected. He compared the current incoming class to the incoming class of 2003, when one and a half floors were tripled.

"We expect 40 to 60 spaces to be tripled," Hilgers said. He also said that as the incoming class stands now, no rooms need to be tripled. As late applications come in between now and the start of the fall semester, he

Please see "MODS" page A2

New volleyball coach plans 2006 season

"We're starting over," says Joslynn Gallop

Jonathan Mettin
Managing Editor

As far as Joslynn Gallop is concerned, there was no 2004 season for Embry-Riddle volleyball. You can still find pieces of it in the six returning players, but beyond the new head coach has started from scratch, shaping the team in her image for what she expects to be a successful season.

"Basically, we started over, implementing my philosophy," Gallop said.

Gallop, who comes to ERAU from the NCAA Division I St. Mary's Gaels, inherited the remnants of the 2004 squad after former head coach Trina Keeton resigned to move to Georgia. The team had seen the worst season in ERAU history, going 3-30 after making the playoffs for eight consecutive seasons.

As if that were not bad enough, with the departures of last year's seniors, Noela Tola and captain Sue Delahanty, the team lost 63 percent of its total offense. Already hitting a dismal .108, the loss presented a daunting obstacle for turning things around in '05.

And speaking of losses, to say Gallop inherited a "team" is borderline generous - exactly six members of Keeton's squad have stayed on with Gallop. Several players have resigned for various reasons,

but the losses included 2004's main setter in Heidi Guenther and a utility player in Sarah Mansell.

Gallop, however, refuses to say that she has inherited a bum deal. "I'm eager to start with a full team ... we definitely need to create some offense," she said. "It's my show now." As for the disastrous '05 season, Gallop says that it will be viewed as a learning experience, no more, no less. "I'll step up and say they've put it behind them," she said.

She wasted no time in getting the lady Eagles some serious punch, recruiting three high-powered junior college and high school standouts whose credentials read like a laundry list of awards.

"With such a hard season last year, I can't take anything for granted," Gallop said.

One strategy Gallop is employing is competition within the team. Last season, due to injuries and personnel, the starting lineup was fairly static: Guenther as setter, Tola and Delahanty for the offensive punch, and Marcia Bullara-Smith in the back court with Nancy Salb and Ashell Curtiss in support. Delahanty was unquestionably the team leader - even Salb, who seems to be a contender for the 2005 captain slot, later admitted that the team leaned too much on her.

This year, Gallop is looking to shake things up by making sure there are at least two players for every position. "No one has a starting position," she stressed. "Julee Carver needs some competition," she continued. Until Gallop inked Littleton, Colo. standout setter Marissa Gonzales, Carver was the

"Basically, we started over, implementing my philosophy."
- JOSLYNN GALLOP

Please see "COACH" page A2

Waiting for Potter



THE PARTY FOR THE new Harry Potter book, *Harry Potter and the Half-Blood Prince*, started early Friday evening at Barnes & Noble in Daytona Beach. Books-a-Million had a similar party.

SHYAMAL ADDANKI/AVION

Please see "MODS" page A2

A message from the SGA President's office

Three months have gone by since I took office in April, and it has definitely been an experience like no other. I have met so many new people and formed relationships with students, faculty and staff that have given me a whole new respect and outlook for our campus and University, as well as pride and esteem.

I would also like to warmly welcome the First Class students to Embry-Riddle and hope they have been able to get acclimated to college life thus far!

Over the past few months our University has made some major changes for the better. Back in May the Master Planning Committee came together to revise and update the current plan and totally revamp the original plan set in place a couple years ago. Input from the students was obtained and reviewed not only by the committee but by the architects who

constructed the layout to make the University more conducive to the students needs and wants.

One of the changes on the master plan was the placement for a brand new 20,000 square foot fitness facility that will be located in the center of campus right next to the pool where the Tine Davis center currently sits. This will alleviate many of the problems with overcrowding our current facility deals with on a daily bases and also adds an aerobics room and stretching area. This facility is something that is much needed on our campus and will be a great addition once completed in the near future.

Much of the talk around campus

has been in regards to housing and the possibility of modulars. The administration made a decision to

not go through with the modular housing due to the fact that the manufacturer of the modular housing originally promised us (ERAU) they would be delivered by mid-August, and then told us they could not guarantee them until mid-September. With the uncertainty at hand, the administration felt it was time to invest in a permanent housing structure and use the funds initially set aside for modular's and then add additional funding for the 200-bed residence hall that will be constructed over the next few years.

-Sara McCook

“Our University has made some major changes for the better.”

- SARA MCCOOK

THE NOTH FACTOR Irritated and it feels so good

It seems more recently that everything in my life has either been somewhat irritating or absolutely infuriating. While I greatly enjoyed attending the Pepsi 400, sitting in the rain waiting for the race to start left me with a grating cold that was far more tenacious than Jack Black and Kyle Gass.

The really frustrating part of having a cold is that it is not like being really sick. Unlike other sicknesses, colds just sort of sit in the background, plotting ways to make you angry. “You don't need to go to the doctor, I'm just a cold,” it might say. Meanwhile, I cough a pathetic little chirp once or twice a minute, then sound my nose like the *Queen Elizabeth II* coming into port. Over the course of the week, my throat was worn raw from all the coughing. By the time Friday night rolled around, I sounded like a 12-year-old boy, my voice squeaking and popping, unable to maintain an even tone.

I think the worst thing about a cold, though, is that feeling that you're not really sick. When you have bronchitis, you are sick. When you have streptococcus, you are sick. When you have a cold, if you dare whine about it, you're a weak little girl who ought to run home to mommy. There are few other illnesses that have “feelings of guilt about lack of motivation” as effects.

Having a cold makes me crazy. While eating breakfast, I thought to myself, “I like my pancakes with maple syrup, so maybe they'd be good with cough syrup, too.” And, as if running around hopped up on cough syrup, decongestants, and pain relief isn't enough to make you feel odd, the first time you cough in public, everyone acts like you're carrying an airborne version of HIV. “You shouldn't be around other people” they say -- as if I had failed to cover my mouth and had soiled their steak in my acidic,

rhinovirus-laden saliva.

Still, having a cold was only a minor irritation. After failing to watch the news for about a week, I learned about a recent Supreme Court decision. The case's decision is truly telling; America may have completely forgotten its founding principles. The rulings in *Kelo et al. v. City of New London et al.* completely redefine the use of the Fifth Amendment; in the opinion of dissenting Justice Sandra Day O'Connor, the line between public and private use may have been completely blurred.

The case itself is fairly simple. Pharmaceutical giant Pfizer recently built a plant in New London, Connecticut. A private, non-profit corporation interested in furthering economic development in New London was interested in building some complementary facilities (a strip-mall) in a nearby neighborhood. Many of the neighborhood's residents sold willingly, but some refused. The city of New London intervened, condemning the remaining homes, citing “eminent domain” and claiming that the developments were the best for public interest.

Not surprisingly, the residents filed a class-action lawsuit against the city, claiming a violation of Fifth Amendment rights. The government-forced trade of private property from one private owner to another private owner (nonprofit or otherwise) is contrary to the very concept of property ownership, “which Alexander Hamilton described ... as one of the ‘great objectives of government.’” Unfortunately, in a 5-4 vote, the Supreme Court found otherwise.

While economic development may be in the interest of the public, condemning homes so that the land can be redeveloped, rezoned, and converted into a commercial area is not the same type of “public use” that eminent domain normally implies. Usually, eminent domain powers are used to obtain property to widen roads, install new sewage systems, expand runways, or other aid other public projects. The developments in Connecticut are, however, far from public. While the New London government may see increased taxes, they will not own the property in question, nor will they operate the facilities to be put in place.

If the government can choose to force the sale of property from one private party to another, America is lost. Thomas Jefferson was known for his thoughts on the pursuit of “life, liberty, and property.” I doubt Jefferson is rolling over in his grave; he's probably spinning faster than a pig on a spit.

Perhaps most importantly, this ruling doesn't just open the door to corruption, it knocks it off its hinges and shouts “I'm havin' this!” With this ruling, there is no reason that any piece of property shouldn't be available to the highest bidder, regardless of any non-monetary values it may have to its current owners. If Wal-Mart wants to build a store on my house, but I want to keep my house because my dog Fluffy is buried in the back yard, Wal-Mart only needs to grease my mayor's hands and I'm on the street with “fair value” for my house in hand.

Still America is not totally lost -- it is possible for the average American to take action. Here in Daytona Beach, citizens are represented in Congress by The Honorable John Mica. I encourage all students to read a bit about the ruling (the full opinion is online at supremecourt.gov) and write or call Representative Mica. He can be reached at 2313 Rayburn, Washington, D.C. 20515 or at (202) 225-4035.



Christopher A. Noth

Columnist

“America may have completely forgotten its founding principles.”

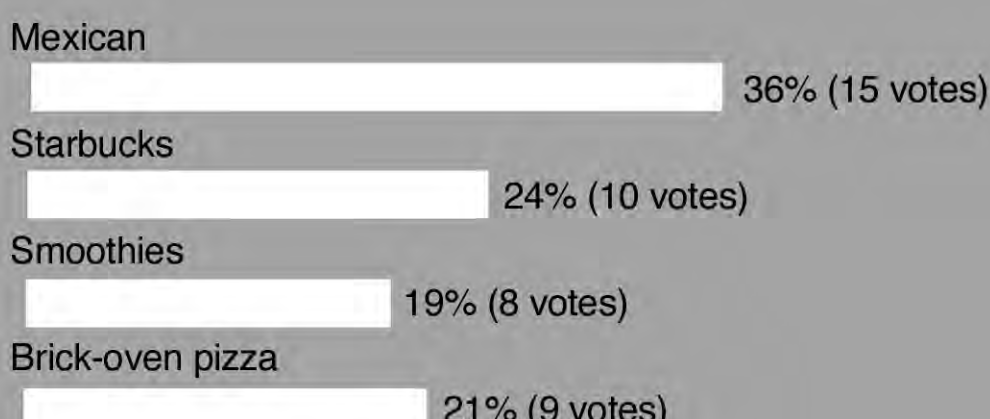
- CHRISTOPHER NOTH

“Any piece of property shuldn't be available to the highest bidder.”

- CHRISTOPHER NOTH

Avion Online Poll Results

The Avion asks: “What new dining option would you like to see on campus?”



Student Forum

The Avion asks: “Do you think manned space flight is worth the risk?”

—Compiled by Brian Case



Sarah Mansell
Aerospace Engineering Senior

“Absolutely, I believe that manned space exploration is the only thing we have left to advance the human race.”



Natalie Howell
Aerospace Engineering Sophomore

“Yes, because humans are more versatile in space if a problem occurs then a robot ever could be.”



Grant Roberts
Aeronautical Science Sophomore

“What other experience is better then a human experience?”



Crystal Passman
Aerospace Engineering Senior

“Yeah, it's cool and I need a job.”



Cris Stephens
Aerospace Engineering Freshman

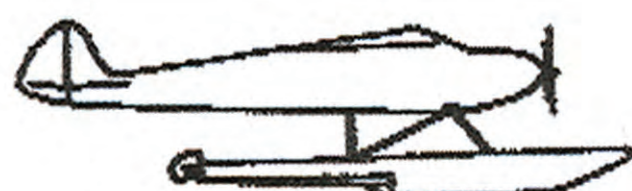
“It's definitely worth the risk as long as it's for the right reasons: discovery and technological advances.”



Mark Boutwell
Applied Meteorology Junior

“Yes. It's about the pride of saying ‘I was there.’”

Advertisement



“We have trained more seaplane pilots than any other facility”

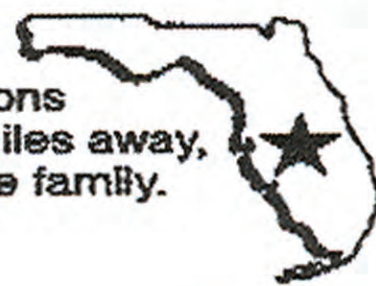
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JACK BROWN'S SEAPLANE BASE

Discovery awaits new (launch) date with destiny



BEN COOPER/COLLECTSPACE.COM

THE DAY AFTER A SCRUB of its first launch attempt, the Space Shuttle *Discovery* sits on Launch Pad 39B at the Kennedy Space Center, the Rotating Service Structure back in place to allow workers access to the Shuttle's aft compartment to check on troublesome fuel sensors.

SLF now open for private customers

Brian Case
Business Manager

NASA has formally requested any expressions of interest on private use of the Shuttle Landing Facility, or SLF, where the Shuttle touches down at the conclusion of each space mission (KTTS). NASA is considering opening the facility for use by private space companies, among others.

The single-runway airport at Kennedy Space Center is one of the longest and largest in the world.

Measuring 15,000 by 300 feet with an additional 1000 feet of paved overrun at each end, it was designed specifically to accommodate the orbiter's return to earth at nearly 250 miles per hour.

When the shuttle comes into land, it follows one of several curved, precision approaches known as the Microwave Scanning

Beam Landing System (MSBLS). Equipment aboard the orbiter automatically makes slight changes to aid the pilot. The airport also has two TACAN approaches and two GPS approaches.

If NASA decides to open the facility, the shuttle and any future missions will always have priority. NASA is investigating to see if the unique facility can fulfill a need that can't be met elsewhere. Requests for use that can be met by nearby airports will not be considered.

The request for information is part of NASA's new space plan initiated by President Bush. "The SLF is a unique facility, and we would like to see its full use by the nation's aerospace community," said William Readdy, former astronaut and Associate Administrator for Space Operations at NASA.

He is, in the unanimous judgment of our board members, the ideal person to lead Boeing."

Boeing investors and leaders hope that the appointment of the new president may be a step away from the turmoil that has overshadowed its leadership since late 2003.

Former President Phil Condit had to leave Boeing under circumstances involving disclosures that Boeing officials attempted to win an Air Force tanker contract using illegal means.

Condit was followed by Harry Stonecipher. Stonecipher was deemed to have violated Boeing's Code of Conduct for having an affair with a female executive in Boeing's Washington D.C. office.

The board cited his violation in forcing him out of the position. "As a past business partner and as a Boeing director, Jim has deep knowledge of the aerospace industry and of Boeing," Platt added.

"He has a proven track record as a leader of complex global businesses, has gained significant experience working with a wide range of our government and commercial customers, and throughout his career has demonstrated an ability to deliver results even in the most challenging business environment."

Fmr. 3M, GE Exec. to lead Boeing Co.

Christopher Noth
Staff Reporter

After suffering public embarrassment under two former presidents, Boeing Co. announced that W. James McNerney will serve as chairman of the board, president, and chief executive officer.

McNerney comes to Boeing after four years serving as chairman and CEO of 3M.

Before working with 3M, McNerney had a long career with General Electric, acting in many top roles, including being the president and CEO of GE Aircraft Engines.

McNerney was also president and CEO of GE Lighting; president of GE Asia-Pacific; president and CEO of GE Electrical Distribution and Control; and executive vice president of GE Capital.

Additionally, McNerney is not entirely new to Boeing — he has served on the board for the past three-and-a-half years.

"Boeing's businesses are performing very well, and the board sought a CEO with the experience and credentials necessary to sustain that momentum and take the company to the next level," Boeing lead director Lewis Platt said.

"Jim met all the board's criteria.

X-Craft completes sea trial testing

Joe Tessitore
Photography Editor

The Navy's newest ship recently completed its sea trials. The ship was christened the Sea Fighter (FSF-1) and was developed by the Titan corporation for the Office of Naval Research.

The new ship is based on a catamaran hull design which will allow it to operate in shallow coastal waters less than 12 feet in depth. This is remarkable considering the ship's maximum displacement is 1,600 tons and it is 262 feet long.

The official project name for the ship is the Littoral Surface Craft Experimental or X-Craft for short. Littoral meaning the craft was designed to be able to operate near shore. The ship has great potential for opening up new mission capabilities for the Naval fleet.

It can support two MH-60S helicopters from its flight deck and launch various smaller craft from its stern ramp. This,

Ben Cooper
Space & Aviation Editor

Nearly a week after being scrubbed during its first launch attempt, the Space Shuttle *Discovery* is awaiting a new launch date on the Return to Flight mission. The launch was postponed after a low-on-fuel sensor failed to function properly during a test in the final hours of the countdown.

A decision was expected yesterday on whether to try again this month, or postpone the launch until September. But as of press time, the new date remains up in the air. (See SpaceflightNow.com for the latest update).

The sensor, known as an engine cut-off, or ECO sensor had previously failed mysteriously during a tanking test performed on the Shuttle in April. Engineers could not explain what caused the failure, and on a second tanking test in May the sensor worked fine.

Mission managers allowed the failure to go down as an unexplained anomaly that would be accepted as having happened and disappeared. However, the decision was made only after the sensor seemed to function properly from there on.

When *Discovery* was fueled for launch July 13, however, the same sensor failed once again. It took mere minutes before launch controllers issued a scrub call for the launch attempt, because the failure was an instant violation of launch commit criteria.

The sensor is one of four that are located side-by-side in the hydrogen tank of the giant, orange External Tank. The sensors only come into play in an off-nominal launch, where for one reason or another the fuel tank would run low early into the trip to space.

If two of the four sensors detect fuel running out, a command is sent automatically to the Shuttle's main engines telling them to shut down immediately. An engine and its turbopump cannot operate without fuel; the super high speed rotation rate in the pump would cause the engine to explode should it run dry.

As of press time July 17, engineers have not found anything that might explain why the sensor

is not functioning. If nothing is found soon, managers may consider waiving the anomaly and flying with just three good sensors. *Discovery* has until the end of the month to launch before being postponed until Sept. 9, although NASA is looking into extending the usable launch window a few days beyond July 31.

Deputy shuttle program manager Wayne Hale said Friday they are confident about making the July window. "We are not in any sense of the word becoming pessimistic about making the July launch window," Hale commented.

Twelve teams of engineers from around the country are working on the problem, taking a simple-to-complicated test method approach in hopes of finding the problem the easiest way possible.

As to why no one had found the cause of the problem in the three months after the first tanking test, Hale said "The first time through, we didn't involve nearly as many folks, we didn't have the data as well coordinated as we have it now."

"I feel very confident that we will get a solution to our problems. Now it's not out of the woods yet, I don't want to mislead you. But I'm very hopeful," he added.

Part of the baffling problem-solving situation is the fact that after the two tanking tests this spring, the External Tank was replaced. *Discovery* had been

rolled back to the Vehicle Assembly Building, or VAB, to swap out tanks. The two reasons for doing so involved the ECO sensors, as well as the addition of ice-melting heaters to the newer tank.

In addition the sensor data box, located inside the aft compartment of *Discovery*, was also replaced along with its associated wiring. As a result, no one to date has very much of an idea, if any, about why the sensor is not functioning properly.

For now, the crew is remaining in Florida, hoping they will be able to launch soon. However, by the time of publication, the crew may have returned to their homes in Houston, to practice in training simulators or rest until the next launch attempt.

"My crew will remain in quarantine for the near future, maintaining our proficiency for this mission," mission commander Eileen Collins said in a statement Saturday.

"We are keeping in close touch with the troubleshooting plan; we have confidence that the best people are working it. In fact, the plan our engineers have put together is impressive, and we are very proud of the work they are doing!"

"While the launch delay is disappointing, we have strong confidence that the mission will launch safely and successfully, and we fully support our NASA leadership for taking the time required to understand the problem.

We thank all of you for hanging in with us!" she added.

The crew has been at the Kennedy Space Center since July 9, remaining in quarantine for the duration. Six of the seven crew members had boarded and strapped into *Discovery* on launch day before the scrub call was made.

“
We have strong confidence the mission will launch safely
- EILEEN COLLINS”

“
I'm very hopeful ... about making the July window
- WAYNE HALE”

Upcoming Cape launches

Late July or Sept 9-24
Space Shuttle *Discovery*
STS-114
ISS flight
Launch time: TBD

NET July 28
Delta 4
NASA/NOAA
GOES-N weather sat.
Launch time: TBD

August
Delta 2
next GPS satellite
Launch time: TBD
29 min. window

August 10
Atlas 5
NASA Mars Recon. Orbiter
Launch time: 7:54 a.m.
120 min. window

NET Sept. 9
Space Shuttle *Atlantis*
STS-121
ISS flight
Launch time: TBD

NET Oct. 28
Delta 4-Heavy
DSP-23 / last DSP sat.
First operational Heavy
Launch time: night TBD

The next unmanned launch from Cape Canaveral is expected to be that of a Boeing Delta 4 with the NASA/NOAA GOES-N next generation weather satellite. The launch had been postponed to replace a component on the rocket, and the mission is now dependent on the Shuttle launch. Launch had been scheduled for two days after the landing of *Discovery*, at the least, but may shift around due to the delay. Check SpaceflightNow.com for the latest updates.

EDITED BY BEN COOPER

Boeing is silent on chip sales to China

Christopher Noth
Staff Reporter

The State Department has said that microchips in some airliners Boeing sold to China have military applications and cannot be legally sold to other countries. Boeing representative Amanda Landers said "We're not talking on background on this issue, or advancing the story."

According to the Seattle Times, Boeing airliners sold to China between 2000 and 2003 contained the chips. Those chips, designated QRS11 are made by BEI technologies; the chips help determine in-air orientation and communicate with satellites. Essentially, the chip is a "gyro on a chip" that can be used in aircraft, as well as missiles and space systems.

The State Department may fine Boeing for up to \$47 million for its actions, but Boeing said that the State Department may not have authority. In 2004, controls for exporting such devices shifted from the State Department to the Department of Commerce; the Department of Commerce cleared the chips for sales to other countries in 2004.

The State Department and Boeing have been in

negotiations, and neither party has been revealing details to the press. State Department spokesman Edgar Vasquez said the State Department "is currently in negotiation with the Boeing Co. regarding potential violations of the Arms Export Control Act and the International Traffic and Arms Regulation." He added that there would be no comment "regarding the specifics of the negotiations" and "if and when these negotiations result in a settlement, relevant documents, including terms of that settlement will be made public."

Boeing was similarly mum on this issue; Landers read a statement saying Boeing "has been in discussion with the State Department for many months concerning past deliveries of aircraft and spare parts with the QRS11 sensor prior to the transfer of jurisdiction to the Commerce Department.

As we continue to work with the State Department towards possible resolution of this matter, it would not be appropriate for us to comment on any possible charges or response."

BEI Technologies says that the QRS11 "is a mature product in volume production." In fact, there are more than 90,000 of the chips in circulation.

Milk from cloned cows rejected by dairy industry

Some farmers are already milking clones of prized cows

Joe Tessitore
Photography Editor

The dairy industry is skeptical about allowing cloned cows to produce milk to be sold in the American market. Recent polls have shown that over 60 percent of Americans feel cloning animals is morally wrong and that they would not purchase food from cloned animals. This view from consumers coupled with the high cost to clone a cow of \$20,000 makes the situation unattractive to many in the industry. The FDA currently has a voluntary ban on the sale of food

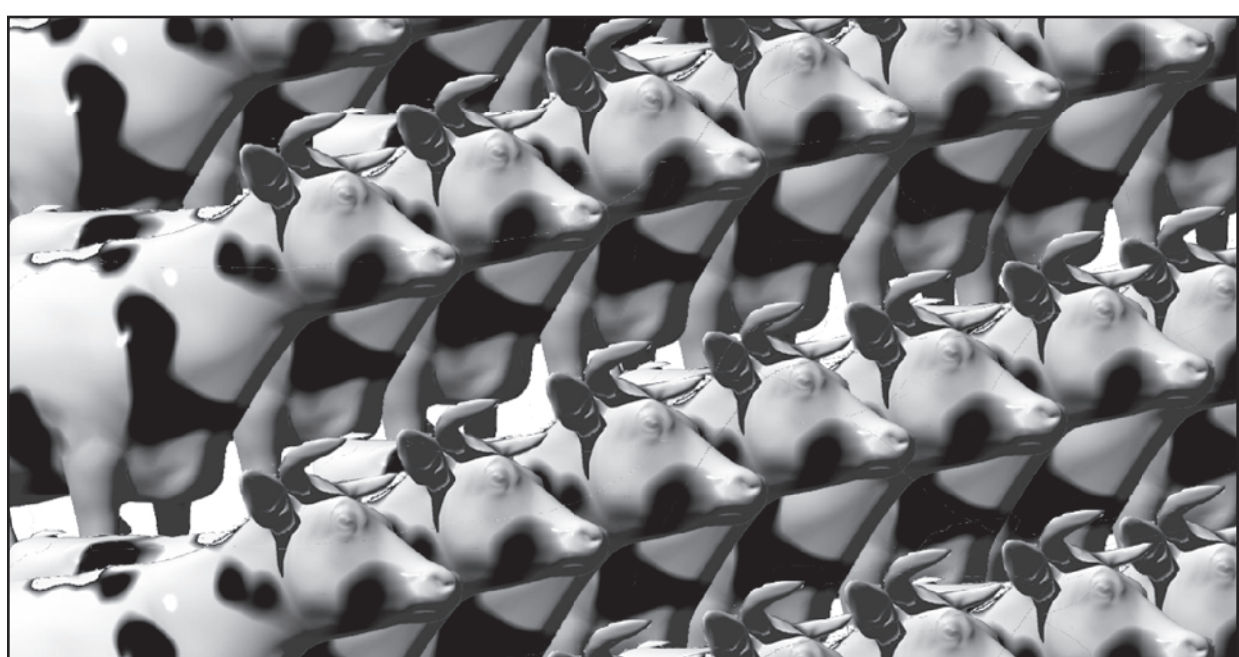
products from cloned animals. They are considering lifting this ban in the near future, yet it seems that for the dairy industry, trade groups will oppose the sale of cloned cow's milk regardless of whether or not the FDA lifts the ban. Selling meat from cloned cows is a non issue at this time due to the high cost to clone a single animal.

Some farmers have already made the investment in cloned cows. One such farmer is Bob Schauf. He is a dairy farmer from Barron, Wisconsin. Schauf cloned his prize winning Holstein four years ago, making four copies. One calf died due to complications earlier this year. He claims the ban is "ridiculous" and that it is an unfounded "phobia". For now, Schauf feeds the milk from these cows to his family. Other farmers in the same situation simply pour the milk down the drain. Greg Wiles is one such farmer.

Wiles made two copies of his prize winning Holstein. Of the two one is sickly with complications

Wiles refused to mention. This brings up another issue with the cloning of animals. Cloned animals have higher rates of complications during birth and when they are young. If they do survive, chances are they will live a normal adult life. Groups such as the Humane Society strongly lobby against the lifting of the ban. Animal suffering is a major factor in their position.

On the other side of the coin independent research by the University of Connecticut found that meat and milk from cloned animals is basically identical to that of non-cloned animals. In 2003 the FDA also had come to the same conclusion when they issued the statement that food from cloned animals was probably just as safe as that from non-cloned animals; however, they urged the food industry to hold off on selling any food from these animals until further research was conducted. As of now the threat of the FDA being able to solidify the ban has brought companies who clone livestock to a halt.



RYAN JONES/AVION

MILK FROM CLONED COWS is not yet heading to a Wal-Mart near you. While the FDA continues to institute a voluntary ban on cloned livestock, some farmers have taken the initiative and started making copies of their best stock with mixed results. Some cloned cows tend to have health problems early in life.

Marvel, Microsoft sign deal

Ryan Jones
Science & Technology Editor

Microsoft and Marvel Enterprises recently announced an agreement to co-create a massive multiplayer online role-playing game (MMO) for the next generation Xbox 360 game console. While the game will be developed by Microsoft Game Studios, the virtual comic book universe will truly be Marvel, enabling thousands of unlinked players to interact as superheroes such as Spider-Man, Daredevil, and the Hulk in addition to characters from the X-Men and the Fantastic Four.

Marvel president Bruno Magliano said, "Having this game on the 360 will broaden the audience for the MMO space dramatically. MMO games are a rich industry that has been making its money off a relatively small user base of PC gamers over the years. With the marketing power of Microsoft and the processing power of Xbox 360, this game should open the MMO space for a whole new audience."

NCsoft kicked off the multiplayer superhero trend with its *City of Heroes* MMO. Fearing competition, Marvel filed suit against Cryptic Studios and NCsoft last November claiming that *City of Heroes* allowed gamers to create characters that resembled too closely Marvel's trademarked superheroes.

The president of the Consumer Media Group at Marvel Enterprises, Tim Rothwell said, "We welcome any competition. We like to think that a game with true, authentic superheroes like the X-Men, Spider-Man and Hulk, which have global appeal, can stand up to anybody."

Corporate vice president of marketing the Xbox for Microsoft said, "Marvel has created some of the most iconic and exciting characters and stories in the past

century. With this next generation of gaming, Marvel fans will finally have the ability to create choices with their favorite superheroes, villains and creatures in unbelievable detail."

The new Microsoft Xbox 360, which is due to arrive in time for the Christmas shopping season, includes many versatile features common to Windows PCs further closing the gap between game system and computer. Game developers are already taking advantage of the potential of this new architecture as Square Enix said that it is developing *Final Fantasy* MMO for the Xbox 360.

Sony Online Entertainment and DC Comics have also announced plans to develop a superhero MMO for PCs and the next generation consoles.



NASCAR won't get lead out

Racing league delays switch to unleaded

Ryan Jones
Science & Technology Editor

NASCAR continues to use a fuel that the Environmental Protection Agency says causes serious health problems.

The Clean Air Act of 1970 mandated a switch from leaded to unleaded gasoline for automobiles, but NASCAR, along with a few other industries such as the airlines, were exempted from regulation. 35 years later and NASCAR still has yet to switch to a more environmentally friendly fuel, and it has been five years since NASCAR began working with the E.P.A. on implementing a voluntary solution within three to five years.

The Indy Racing League moved to methanol in the 1960's and is planning a switch to ethanol, a cleaner fuel made primarily from corn, by 2007.

"If Kazakhstan can eliminate lead from gasoline, why can't Nascar?" asked Frank O'Donnell, the president of the nonprofit group Clean Air Watch, in a letter to NASCAR chairman and chief executive Brian France.

"By permitting the continued use of lead, your organization may be putting millions of spectators and nearby residents at unnecessary risk of suffering serious health effects, according to the U.S. Environmental Protection Agency," wrote O'Donnell.

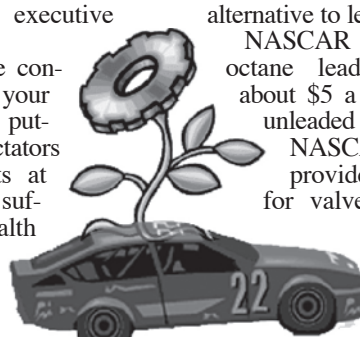
NASCAR driver Ryan Newman said, "I'd say the majority of the people in here are the farthest thing from environmentalists, from my outside-looking-in perspective."

Gary Nelson, a NASCAR vice

president for research and development, responded to O'Donnell's letter, "NASCAR has been actively working with the U.S. Environmental Protection Agency for several years and more recently with our new fuel supplier, Sunoco, to come up with possible alternatives to our current fuel formula." He added, "We've certainly been looking for alternative to lead."

NASCAR currently uses 112-octane leaded fuel that costs about \$5 a gallon. While testing unleaded fuel in the late 1990's, NASCAR found that the lead provided better lubrication for valves. Nelson says that without this lubrication, the engines eventually fail. He added that the ethanol mix destroyed the special fuel tanks

the cars must use for safety reasons. O'Donnell doubts this explanation saying, "It's not for lack of technology, it's inertia on NASCAR's part in part because the government is asleep at the switch."



Report: Nation's bridges need repair

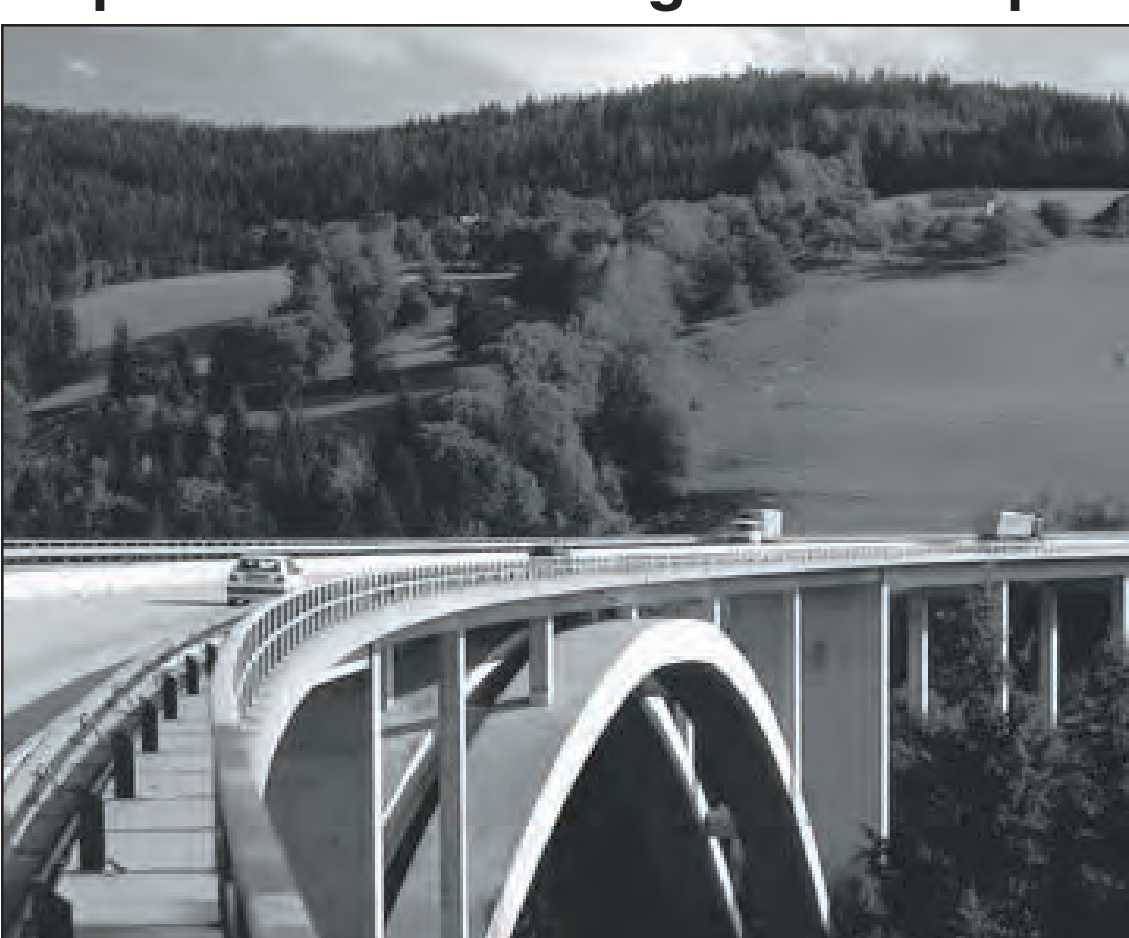


PHOTO COURTESY WWW.DOT.GOV

THE FEDERAL HIGHWAY ADMINISTRATION stated in a report that 27.5 percent of the nation's bridges (162,000) were structurally deficient. The American Society of Civil Engineers estimate that it will cost \$9.4 billion a year for 20 years to eliminate all bridge deficiencies.

IM-based attacks increase

Joe Tessitore
Photography Editor

Security vendor IMlogic recently released a study that shows hackers and virus writers have recognized the security weaknesses that instant messaging programs create and have started to exploit them. Attacks through IM programs have risen sharply in the last two quarters. In 2004 the number of attacks reported was 20. In the second quarter of 2005 this number rose to 571.

Attacks include viruses, worms and phishing scams. This increase in attacks represents a threat to consumers and corporations alike. The study was conducted with the help of IT security companies Symantec, McAfee and Sybari as well as IM companies AOL, Yahoo and Microsoft. When broken down

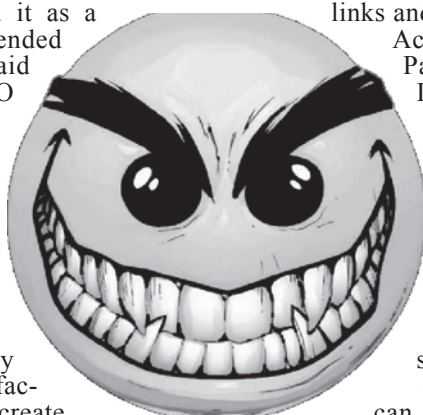
70 percent of attacks were targeted at consumers and only 30 percent were targeted at corporations.

"IM usage has reached critical mass, and virus writers have now recognized it as a mostly undefended medium," said IMlogic CEO and cofounder Francis deSouza. "These [viruses and worms] are mutating, high-velocity, and invisible to most companies until they hit. All these factors combine to create a serious risk." IMlogic sells products to help protect users from IM attacks. IM attacks tend to act much like

an E-mail worm or virus. They can steal information from a users computer or turn the computer into a "zombie" by making the user repeatedly click false links and icons.

According to Alan Paller of SANS Institute, "The two most important things [a user can do] are block all attachments on IM and to filter IM traffic so you only get it from trusted sites."

Some IM attacks can be so sophisticated the sender appears to be a known buddy. These such attack accounted for less than one percent of the total reported.



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The Riddle of Life

By Jonathan Mettin

Ow ... my pride!



What is the advantage of being married to a blonde?
You get to park in handicapped spots.

How do you tell which tricycle belongs to the blonde?
Look for the one with the kickstand.

What do you call an all-blonde skydiving team?
Lawn darts.

How does a psychic refer to a blonde?
Light reading.

How do you get a blonde to laugh on Saturday?
Tell her a joke on Wednesday.

How do you make a blonde's eyes twinkle?
Shine a flashlight on her ear.

How do you confuse a blonde?
Ask her to alphabetize a bag of M&Ms.
Why does it work?

"Does 3 come before E or between M and W?"



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172K miles, runs perfect. A/C, Pwr st., pwr brakes and new clutch. \$1,800 OBO. 238-5357

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Dark Water plays on paranoia



JENNIFER CONNELLY (RIGHT) SHINES in *Dark Water*. Here Dahlia (Connelly) and daughter Ceci (Ariel Gade) look up at the ceiling of their new apartment after they notice a strange leak. The movie is filled with mind games, mysterious noises and persistent leaks of dark water.

Dark Water

Jonathan Mettin
Managing Editor

Dark Water, starring Jennifer Connelly and written by Rafael Yglesias (who also wrote *The Ring*), can be summed up in one word: creepy. Good, but really creepy.

Connelly plays Dahlia, a newly divorced mother who is moving into a theatrically dank and run-down apartment complex on Roosevelt Island, just outside of Manhattan. She brings her adorably cute daughter Ceci (Ariel Gade) with her, who inexplicably (at least for the first hour of the film) initially hates the building but suddenly won't live anywhere else.

A few hours after moving in, Ceci's ceiling springs a leak where

the water is — you guessed it — dark. The deteriorating leak becomes a central theme in the movie with many connotations — including Dahlia's sanity as the pair begin to hear strange noises in the apartment at night.

Much of the story follows Dahlia as she progressively learns more of the Russian residents of the apartment upstairs. She finds uncanny parallels between the life of their little girl and herself as a child. Interestingly, both the little Russian girl and the young Dahlia are played by the same actress — Perla Haney-Jardine, who bears a strange resemblance to Ariel Gade. Beginning to see how all the creepiness fits together?

While the central story is engaging in and of itself, with excellent character development and a plot

that thrives off of the audience's own paranoia, *Dark Water* also introduces several character-based subplots that add to the mystery — those of Dahlia's divorce lawyer Jeff Platzer (Tim Roth) and the complex's super Veeck (Pete Postlethwaite) are particularly good. Several well-played minor characters, like Ceci's teacher (played by Camryn Manheim), round out the cast and complement the plot nicely.

The only shortcoming of *Dark Water* is that the ending is somewhat weak when compared to the strength of the rest of the movie. While not bad, the rest of the movie is so well-done that the average ending just doesn't seem to fit.

Overall, however, *Dark Water* is a masterfully-crafted story that will creep you out and make you wary of taking showers for a few days.

“**Dark Water ... will creep you out and make you wary of taking showers**

- JONATHAN METTIN

In Your Honor's dual nature not too shabby

In Your Honor
Foo Fighters

Jonathan Mettin
Managing Editor

“Is someone getting the best! the best! the best of you?!”

Chances are, if you have watched any of the hundred music channels on TV, you've probably seen the video for “Best of You,” the first single off of *In Your Honor*, the latest release from the Foo Fighters. The chorus to this song is catchy as none other; it's a shame I can't say the same for the rest of the album. It's good, but not as good as I was hoping for it to be.

The album itself is an interesting concept: a two-CD set, the first is full of hard-rocking tunes like “Best of You;” the second is a slow acoustic beat that makes for an interesting contrast with its predecessor.

CD one is probably the downfall of the album. While it starts off on a high note and ends strongly with the hard-rocking “End Over End,” the middle six songs are not up to the



PHOTO COURTESY RCA RECORDS

OLD BAND, NEW MUSIC. The Foo Fighters are still entertaining crowds after eight years of being in the music industry. Their new album has two discs for their fans. Their tour is until the end of August.

level of their bookends.

CD two makes up for the initial shortcomings with a mood The Who would call “pure and easy, like a brook rippling by.” The deep acoustic guitars and bass give some of the

songs an almost ethereal feel.

In Your Honor is an overall decent album; while it might not have lived up to my pretty lofty expectations, the Foo Fighters have proven they are still in touch with music.

Wreck of the Day is hardly that

Wreck of the Day
Anna Nalick

Jonathan Mettin
Managing Editor

Anna Nalick has been getting a lot of press lately, with so publications already calling her the singer of 2006. Her debut album, *Wreck of the Day*, hit shelves several weeks ago and made it into the Billboard

top 50 in its first week.

Nalick sounds much like Jennifer Daniels, one of the acoustic performers in TNG's Luchtime Concert Series this spring. Her voice is earthy and has a pretty good range, but her songs make more use of background instruments as opposed to Daniels' reliance on guitars and vocals alone.

A cursory listen to *Wreck of the Day* is probably enough to prove the critics right - Nalick has some real potential. The title

track and “Satellite” showcase an amazing penchant for singing. The album gently flows from ballad to upbeat tempos without any jars whatsoever.

While the album is very good, I would caution the listener to not go in with the expectation that this is the greatest album ever, which is what MTV and VH1 are leading you to believe.

Wreck of the Day is not another *Revolver* or *Joshua Tree*; it is simply a very good debut for a potentially amazing singer.



Anna Nalick - WRECK OF THE DAY

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Top Tens: the TNG and Avion experts tackle the silver screen

1. MOMENTO

Writer and director Christopher Nolan earned the top spot with the riveting *Memento*. About a man who can no longer form new memories, his story of told in reverse, which at times can be terrifying.

2. THE LION KING

Yes, it's a children's movie. But that doesn't diminish the timeless story: one man's quest to find his place in life. Add in a few memorable songs and a healthy dose of comedy, and you have a recipe for a classic.

3. ETERNAL SUNSHINE OF THE SPOTLESS MIND

Ever wish you could go back in time and never remember the pain that plagues your thoughts? This is the story of one couple that erases the memories they had of each other, only to realize that they never felt happier then when they were together.



4. AIRPLANE! (1980)

The legendary spoof of the tragic airplane disaster movie, this is one I never get tired of. This film should be a prerequisite for admission into the AS major.

5. HARRY POTTER AND THE PRISONER OF AZKABAN

I love the Harry Potter series, and director Alfonso Cuarón does the novel justice. He captures not only the whimsy that accompanies a school of witchcraft and wizardry, but also the dark past that haunts Harry.

6. YOUNG FRANKENSTEIN

Mel Brooks tells the tale of Dr. Frankenstein's grandson, who inherits his grandfather's old castle and begins to conduct experiments of his own. This film is what I would consider Mel Brooks' best.

7. X-MEN 2 - X-MEN UNITED

So many comic books turned movies have been disappointments. Not the case with X2. This is the story of how people fear those who are different, made interesting by super heroes.



8. REAR WINDOW

Alfred Hitchcock may be the greatest filmmaker ever. The film follows a man recovering at home in a wheelchair, who witnesses a murder from his apartment window. Although it's not Hitchcock's most popular film, probably his best.

9. ARSENIC & OLD LACE

Adapted from a play by the same name, this comedy is a real classic. It's about the insanity of family, and two very crazy aunts who have a nasty habit of killing strangers.

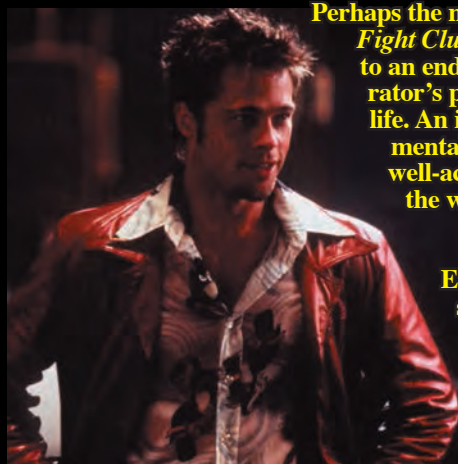
10. STAR WARS: THE EMPIRE STRIKES BACK

Everyone knows *Star Wars*, and this is the beat. It shows what George Lucas is capable of bringing to life when he lets more talented directors and writers help him out. Too bad he never took the lesson to heart.

~Brian Case, Avion movie critic

1. FIGHT CLUB

Perhaps the most demented movie out there, *Fight Club* presents violence as a means to an end in stark contrast with the narrator's peaceful, average (albeit boring) life. An interesting commentary on mob mentality, the movie is well-scripted, well-acted and well-shot, but is not for the weak of heart, mind or stomach.



2. JURASSIC PARK

Every little kid used to love dinosaurs, then this movie came out and proceeded to scare every kid out there. A seamless blend of storytelling and science, Jurassic Park quickly became a staple of the movie industry.



3. BRIDGE ON THE RIVER KWAI

A classic WWII movie starring Alec Guinness, *Bridge on the River Kwai* forgoes becoming a movie about the war itself in favor of looking at the conflict caused within the soldiers by the war.

4. SAVING PRIVATE RYAN

More overt than the previous WWII movie, *Saving Private Ryan* shattered the illusion that war is glorious by presenting some of its most horrific moments without a thought of censorship.

5. THE MATRIX

While it has long since become an action franchise, the idea presented in the original - that we have no control over our own lives - was a stale sci-fi standard until Neo showed us how it should be done.

6. TO KILL A MOCKINGBIRD

A classic book turned into a classic movie, it tells the story of an honest man taking on a dishonest world through the eyes of his daughter.

7. JAWS

Admit it - you were scared to even go in the bathtub after you saw *Jaws*. The movie strips action down to its most horrific conflict - man against mystery - and leaves you to tremble in its awful simplicity.

8. BRAVEHEART

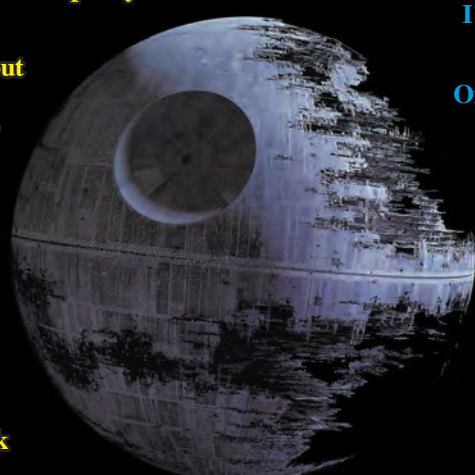
A lot of people think this movie is a bloated epic, but *Braveheart* has everything a great movie should - believability, character development, amazing score, engaging story ... the list goes on and on.

9. KILL BILL VOL. 2

Lacking the body count of the first film, *Kill Bill Vol. 2* focuses more on the convoluted but engaging storyline and has more (and better) dialogue, especially Bill's speech on comic book superheroes.

10. STAR WARS: RETURN OF THE JEDI

Not trying to be the epic the first two were, the final installment of the original *Star Wars* trilogy wraps up all the loose ends in a masterful sci-fi flick that all ages can enjoy.



I found that making this list was a lot harder than I thought it would initially be. I had to sit down and think back to all the movies that I've seen, pick my top ten, and then try to rank them in somewhat of an order. Here is what I've come up with.

10. INDEPENDENCE DAY

I think it's a decent action movie with a little hint of comedy.

9. MEET THE PARENTS

Ben Stiller and Robert De Niro help to add a comic twist to what can be a stressful time.

8. JURASSIC PARK

It made my top ten list because to this day I would like to find a mosquito trapped in prehistoric tree sap.

7. ANIMAL HOUSE

It's a classic.



6. AMERICAN PIE

The movie that took web cams to a new level.

5. THE GODFATHER

Who doesn't like a good mob flick?

4. INDIANA JONES AND THE LAST CRUSADE

I'd have to say that this one is my favorite.

3. STAR WARS: RETURN OF THE JEDI

Of the *Star Wars* movies *Return of the Jedi* was my favorite.

2. CADDYSHACK

It's a good old classic golf movie.

1. STRIPES

Out of all of the movies on my list I have watched *Stripes* the most. Because of that, I chose it as my number one.



~Scott Longshore, Touch-N-Go Productions chairman

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Dining Around

Daytona Beach

By Jonathan Mettin & Brian Case



The Sapporo Japanese Steak House at 501 Seabreeze Blvd. is really two restaurants in one. The steak house, or Hibachi side, is what most people think of when they hear Japanese Steak House. Your food is prepared tableside by a friendly chief, and made to order. Dining out this way can be a bit pricey for a college student: dinner averages around the \$16.00 mark, plus drinks and tip. Lunch, however, proves to be an amazing bargain. Available Monday through Friday from 11:30 - 2:00, a chicken breast prepared on the grill right in front of you with veggies and rice runs for under \$5.00. Combination lunches for under \$9.00. That adds up to a good deal.

The other half of the restaurant is a sushi bar. If you like, sit right down at the bar and watch as fresh sushi rolls are prepared all day. The selection floats right past you on a river of miniature boats; simply choose and eat. If your looking for something specific, grab a menu and order what you want made fresh. The selection is extensive and in my experience, consistently pleasing. Prices start at \$2.00 for four, small pieces.

If Sapporo has a downfall it's the service. A "quick" trip to the Hibachi restaurant for lunch once turned into a two hour adventure, complete with a confused order and a misplaced bill. But if patience is your virtue, grab a friend and head on over to Sapporo.



A bit out of the way but well worth the trip, Aunt Catfish's sits on the Halifax River right next to the Dunlawton Ave. bridge. Patrons sit in a large room with a virtually unbroken view of the waterway, and a pier attached to the restaurant lets curious children get an up-close view of the boats at the nextdoor harbor.

Offering probably the best seafood in the area, Aunt Catfish's menu features a wide variety of catfish (imagine that!) while offering the standards like salmon, flounder and grouper. The restaurant also offers more exotic options such as shark and alligator. Crab, oysters and scallops round out the seafood section.

Landlubbers will find chicken, ribs and steak to sat their fancy, and all of the dinner options are served with the Aunt Catfish signature cinnamon roll.

Early bird specials are offered daily from 11:30 to 5 p.m. every day, and offer the fine, delectable dishes at more of a college budget.

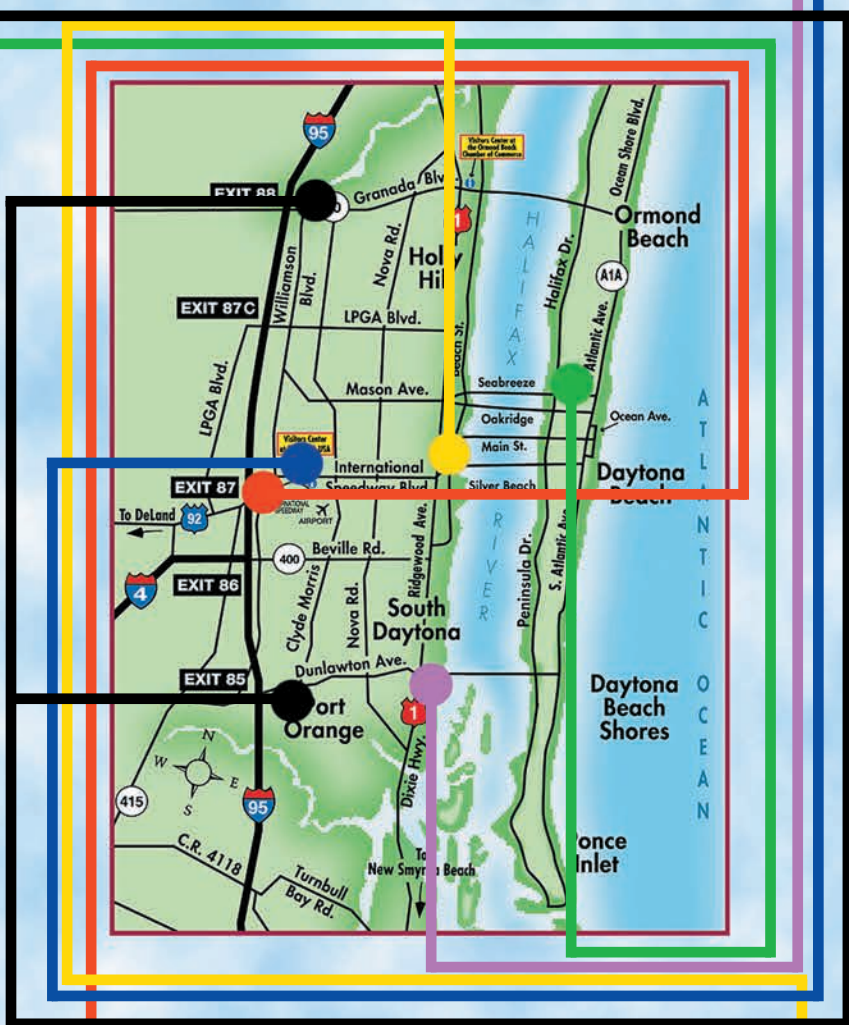


Dustin's Bar B-Q offers consistent, tasty food at a great price. And with two locations in the Daytona Beach area, it's never more than a quick hop away.

So far, everything on Dustin's menu has been top-notch Bar B-Q. The baby back ribs are tender and flavorful every time. The sliced pork and chicken dinners just as good. Complementing the meal is a great choice of sides. I always opt for the baked sweet potato (with butter and brown sugar) and the Bar B-Q baked beans. Oh, if you like baked beans, you'll love Dustin's - I've made the trip just for the beans. If you want more with your meal, there's an optional salad bar.



With two local locations at 4908 S. Clyde Morris Blvd. in Port Orange and 1320 W. Granada Blvd. in Ormond Beach, there is some good BBQ near you. Prices start around \$8.00 for dinner, and more for steak and seafood dishes. For a quick, delicious meal, Dustin's Bar B-Q never disappoints. Show up, seat yourself and enjoy.



A family restaurant staple, the local Ruby Tuesday is located on 1808 International Speedway Blvd. With a motto of "Awesome food. Serious salad bar," the Southern-born chain certainly lives up to its mantra. The extensive salad bar rivals the best in the county, offering all the basics as well as fresh fruits, pudding, hot peppers and meats.

For the appetizers, Ruby's offers a wide variety, ranging from french onion soup to nachos to crabcakes to fried zucchini.

The burger list is extensive, with 27 varieties available for order. The house specials are also of note, especially the ribs and the shrimp alfredo pasta.

The prices at Ruby's are pretty reasonable, with two people usually escaping for around \$30. Service is quick and friendly, and your glass will never get empty before a complimentary refill hits the table. For comfort food in a comfortable atmosphere, Ruby's is a good choice.



If you like the idea of all-you-can-eat but are looking for a finer atmosphere than the standard buffet can offer, the Song Mongolian Grill on 132 North Beach Street is for you.

At first glance, the buffet line seems like a classy version of what you would see in any other buffet. However, a closer inspection reveals something you might not expect: all the food is uncooked. While some may be content with simple soup and salad, the real treat at Song is in creating your own entrée.

The standard chicken, beef and pork are offered, but more exotic options, such as calamari, lamb and tofu are also offered. Once you select the core ingredients for your meal, you can add a variety of spices and sauces to jazz up your meal. With a filled bowl (or two) in hand, head back to the grilling area, where one of three chefs will prepare your meal in front of your eyes. While your first attempt at a five-star recipe might not be what you expected, Song encourages you to try several moderate-portion trips to hone your recipe into an exquisite piece of culinary art. A friendly hint - go easy on the spices the first time.

For one of the most unique dining experiences in Daytona Beach, the Song Mongolian Grill definitely gets a thumbs-up.



You like 'em hot. You like 'em naked. The chicken wings at Ker's WingHouse on 2721 West International Speedway Boulevard are the best in Daytona Beach. Now that your mind is out of the gutter, WingHouse offers its signature wings in five flavors, including the famous (or infamous) House on Fire and Dallas, a tasty variation of honey BBQ.

Besides wings, a tasty variety of sandwiches is also offered, including the WingHouse and Dallas Burgers, the Philly Cheese Steak and the delectable BBQ Pork Sandwich. The appetizer list is also not to be sneezed at, with clam chowder, quesadillas, poppers and onion rings among the choices to start off your night.

The atmosphere at WingHouse is also of note. The restaurant is constructed almost entirely of wood, giving it a cozy setting to watch a variety of sports on the televisions scattered throughout the establishment.

And as for the famous WingHouse girls ... well, you probably already know about them.

