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AERONAUTICA

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McDonnell Douglas is becoming a strong influence in rotocraft industry



By Bob Davison
Staff Reporter

In Miami Beach, Fla., Feb., 25, 1993 the McDonnell Douglas Helicopter Company took world stage with its unveiling of the new twin engine turbine MD Explorer helicopter at this years Heli-Expo '93.

McDonnell Douglas Helicopter Co. displayed its pride and joy to one of the largest annual rotocraft gatherings in the world.

The aircraft on display that caught everyone's eye, was the MD Explorer. This aircraft ushered in a new era of rotocraft technology when its maiden flight occurred back on Dec. 18, 1992, in Mesa, Arizona.

McDonnell Douglas is predicting a bright future for the first 21st century light twin helicopter. The company has non-refundable certificates for more than 250 MD Explorer aircraft.

Dean Borgman, President, McDonnell Douglas Helicopter Co., who introduced the Explorer to the world during the expo, said, "We're witnessing the beginning of a new era for the rotocraft industry."

Borgman further added, "This is the first helicopter of the 21st century, and the first new twin-turbine helicopter in nearly a decade to be committed to production."

The MD Explorer features the revolutionary NOTAR (NO Tail Rotor) system that replaces the exposed tail rotor in conventional helicopters.

The NOTAR system, which helps reduce

perceived noise, is being used on similar yet smaller MD aircraft, the MD 520N which was dubbed the quietest helicopter in the world.

Though the MD Explorer is still under test flights, Greg Ashe who is the project pilot for McDonnell Douglas Helicopter reports, "Everything is going according to schedule." "We're very excited about expanding our flight envelope in coming months."

In fact, over the next 18 months, McDonnell Douglas will be putting the Explorer through rigorous flight and ground test programs to win FAA certification, ultimately reaching their projected completion of first deliveries by Oct., 1994.

The MD Explorer is designed to be competitive in five major market segments: corporate, off shore drilling, law enforcement, utility and emergency medical services.

Of the 250 non-refundable certificates of interest, more than 60 percent were issued to customers in the United States and Canada, but this is expected to change.

As Clark Wirthlin, business development manager for McDonnell Douglas has

remarked, "When our customers see this aircraft up close, we think they're going to have a difficult time wanting anything else in this class."

The other 40 percent of interest is divided among overseas countries like Japan, Australia and England, to name a few.

McDonnell Douglas Helicopter Company has built two MD Explorers to date. On the military side, 61 Apaches have been delivered to the U.S. Army.

A contract with the department of Defense has been entered for the delivery of 56 additional Apaches.

These new Apaches will be delivered as follows: 4 - U.S. Army attrition aircraft; 20 - United Arab Emirates; 12 - Saudi Arabia; and 12 - Greece.

Eight aircraft were placed under contract for future sales to unidentified international customers.

McDonnell Douglas is actively pursuing additional international Apache and MD Explorer sales. An invitation has been received from the United Kingdom Ministry of Defense for the purchase of a possible 91 Apache helicopters.

McDonnell Douglas delivered 61 Apaches to the U.S. Army representing the full compliance with the company's Contract. Additionally, McDonnell Douglas has entered into a contract with the Department of Defense for 56 Apaches to be delivered to International customers.

"...We're witnessing the beginning of a new era for the rotocraft industry..."

-Dean Borgman, President
McDonnell Douglas Helicopter Co.

McDonnell Douglas introduces the MD-90 passenger jet

By Gregory Rezendes
Aeronautics Editor

The aircraft is powered by two 25,000-pounds-thrust V2500 engines built by International Aero Engines, a consortium of five major propulsion companies in the United States, Europe and Japan.

The V2500 engines are the quietest and cleanest jet powerplants in their class. They were designed to operate below the toughest limits on noise and exhaust emissions.

In a typical business and economy class arrangement, the MD-90 has seats for 153 passengers and has a non-stop range of more than 2,600 statute miles.

On the first flight, there were three objectives: to demonstrate the aircraft's airworthiness, to make an initial evaluation of handling qualities with different flight control settings, and to begin expansion of the "envelope" of operating speed and altitude.

After takeoff the MD-90 climbed to an altitude of 10,000 feet and flew a test pattern near Santa Catalina Island.

The crew completed airworthiness checks and then they climbed again to 18,000 feet for tests of flight controls and the air conditioning system.

Returning to 10,000 feet, the aircraft took a course to cross the coastline near Ventura, Calif., and headed inland to the Edwards Air Force Base flight test area.

A series of tests validated stability and handling qualities as the aircraft cruised over the desert to complete the day's work.

The aircraft will remain for several weeks of additional testing before returning to Long Beach.

Certification testing on new ejection seat complete

Beach Aircraft Press Release

WICHITA, Kan. — Beech Aircraft and ejection seat manufacturer Martin-Baker recently completed certification testing for the escape system Beech will use in its JPATS (Joint Primary Aircraft Training System) entry aircraft, the Beech PC-9 MkII.

The test series was performed at Martin-Baker's test facilities in the United Kingdom, and included 12 test runs in a PC-9 MkII mockup at speeds from zero to 375 knots.

The Martin-Baker seat demonstrated its suitability for use by military aviators ranging in size from the first percentile female to the 99th percentile male.

The primary escape system, using canopy fracture, was successfully demonstrated, as was the backup system, which employs through-the-canopy ejection.

The seat met all physiological requirements of the tests, and was shown to be a substantial improvement over existing seats.

David H. Riemer, director - JPATS Program for Beech, said the "unqualified success of the tests is another measure of Beech's continuous quest for a risk-free aircraft program for JPATS" JPATS stands for Joint Primary Aircraft Training

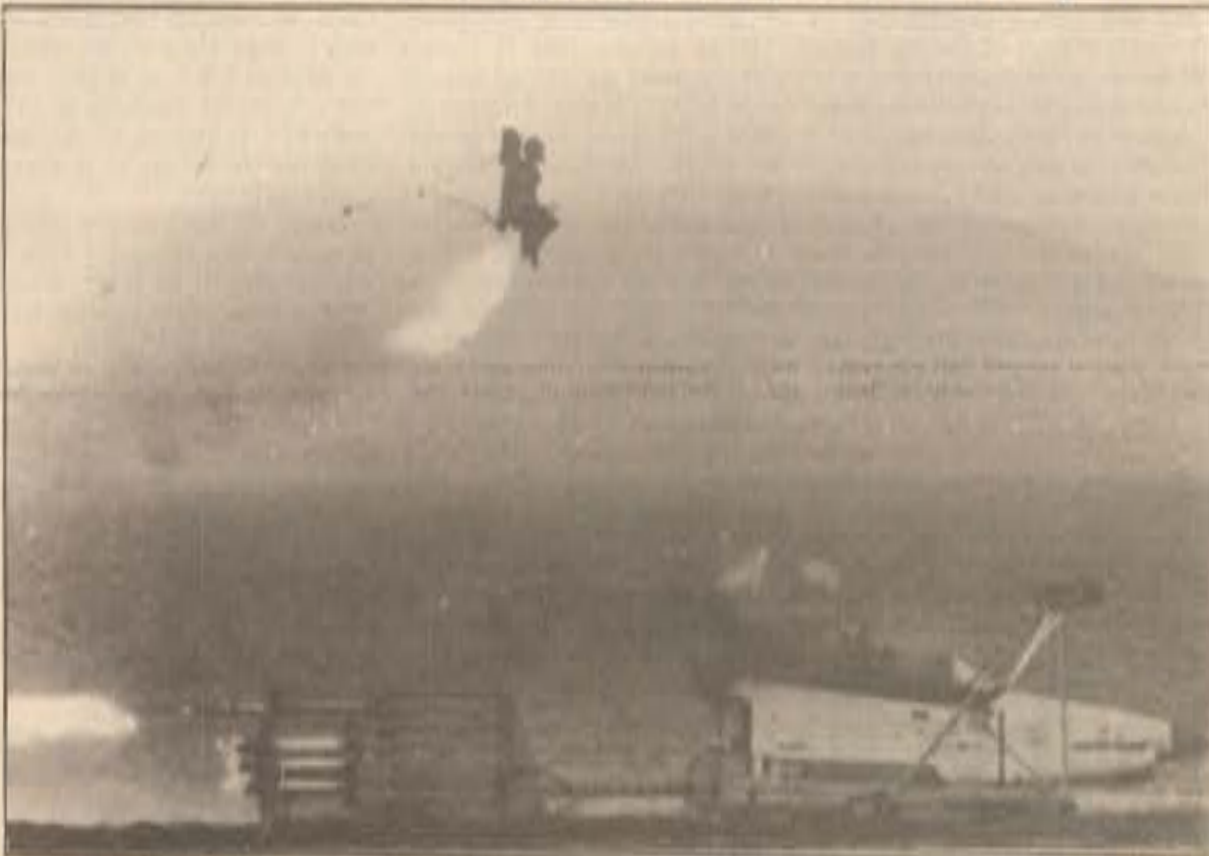


photo courtesy of Beech Aircraft

The ejection seat is being tested for the new JPATS (Joint Primary Aircraft Training System) aircraft.

System, a joint Air Force/Navy program that would replace aging primary training airplanes with a new, more modern and more efficient aircraft.

Beech Aircraft, a Raytheon Company, has been involved in aircraft training systems since 1940. It currently produces tanker/transport jet trainers for the U.S. Air Force and target missiles for the U.S. Air Force, Navy and Army.

First Beechcraft Starship delivered in England

Beechcraft Press Release

The first English customer has taken delivery of an all-composite Beech Starship 2000A.

The customer acquired the aircraft through Beech's 10-year lease program, designed to facilitate ownership of the revolutionary tandem wing jetprop.

The Starship 2000A replaces a mid-size jet the customer had previously operated.

Starship offers operators the cabin comfort of a mid-size jet at a substantially reduced acquisition and operating cost.

Beech's U.K. distributor, Air Harson, arranged the transaction.

Starship is the fastest and roomiest model in Beech's line of business jetprop aircraft. Powered by twin Pratt & Whitney PT6A-67A engines. The Starship has a maximum speed of 335 knots (385 miles per hour).

The Starship also features a state of the art flight deck, unmatched in any comparable general aviation product.

With its futuristic appearance and high technology materials and systems, Starship is an aircraft that makes a statement about its owners and their companies.

The English aircraft becomes the second Starship delivered to a European customer, and the first of the new 2000A models.

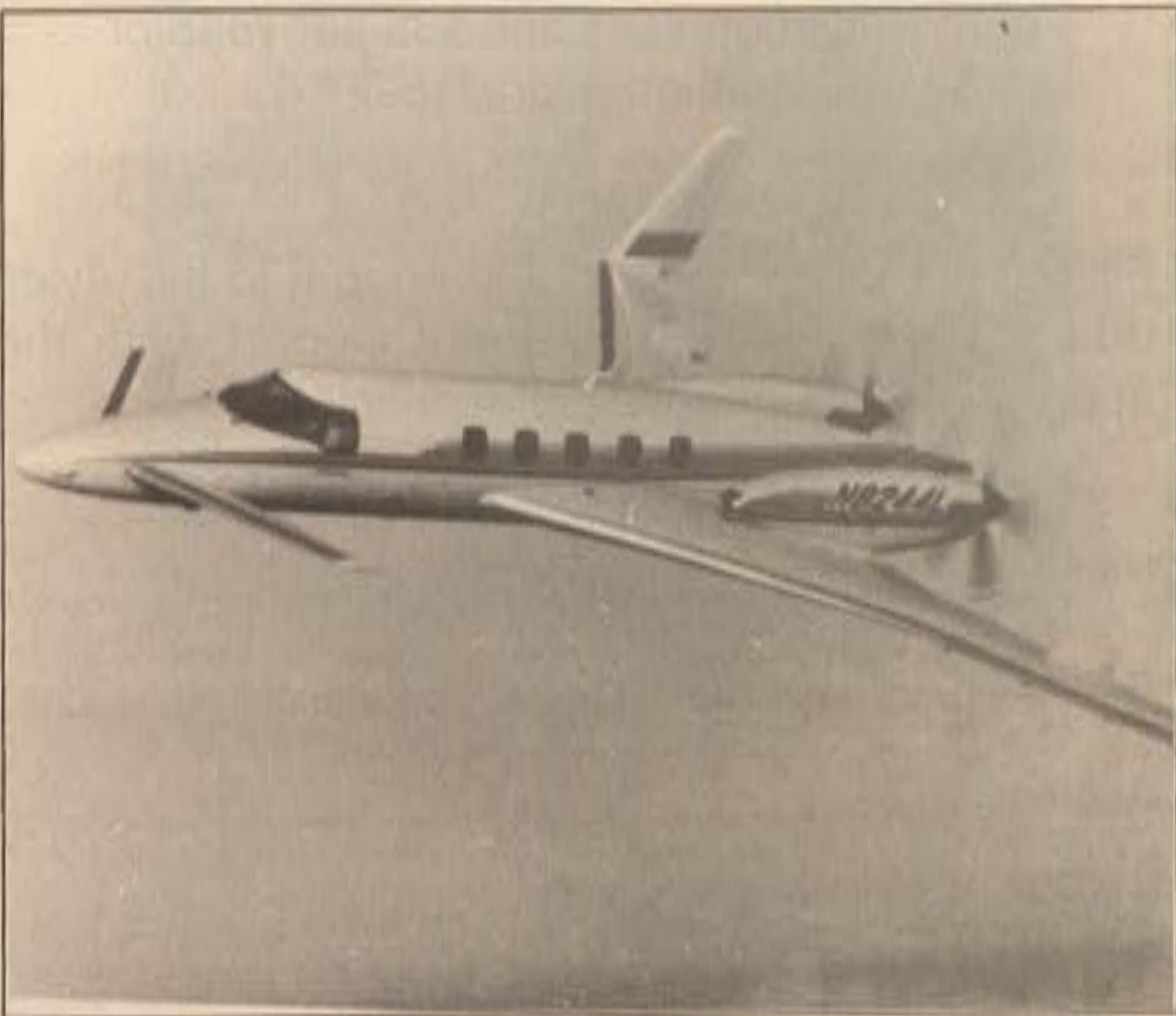


photo courtesy of Beechcraft

The Beechcraft Starship uses a variable sweep canard for high speed operations. The Starship uses high technology systems to place itself ahead of other jetprop aircraft.

The first, a Starship 2000, is based in Denmark.

Beech Aircraft, a unit of The Raytheon Company, is a leading aviation company. Beech manufactures, markets and supports piston-powered, jetprop and light jet aircraft for commercial, military and regional airline markets.

Ugly Duckling



photo by Jason Piper

Avion photographer Jason Piper has captured what must be the ugliest airplane in the area. This Tractor like airplane called the Calair is used to tow banners from the Massey Ranch Airpark.

Fluid leak delays Columbia mission



Main engine hydraulic line causes second delay

By Brian Gamage
Space Technology Editor

On March 2, Kennedy Space Center (KSC) employees performed a flight readiness test on the orbiter Columbia as it sat on Pad 39A. When the technicians began to test the main engines, a hydraulic flex hose burst and sprayed hydraulic fluid all over the inside of the aft compartment, including vital electronics.

The rupture and subsequent examinations caused the second delay of STS-55 from March 14 to possibly March 19. The mission was originally scheduled to launch on February 25, but a paperwork problem related to the main engines caused the initial two week delay.

The failure analysis from Columbia's ruptured hydraulic hose indicated that it was due to a change in the manufacturing process that occurred during a short period of time in 1977. Spare hydraulic hoses and hoses from the orbiter Atlantis will replace the suspect hoses from Columbia.

see Fluids, on page B8

The Space Shuttle Columbia returns to KSC's Shuttle Landing Facility after its last mission into space. The orbiter's next mission, designated STS-55, has recently been marred by two unfortunate delays.

Freedom won't be ready before 2000

WASHINGTON (AP) - Space Station Freedom will wind up costing \$31.3 billion, \$1.3 billion more than planned, and won't be ready for permanent occupancy by astronauts until June in the year 2000, NASA officials told Congress last week.

The estimate was based on current plans for the station and did not take into account a White House-directed redesign that has just gotten under way.

Space station officials were summoned before the House space subcommittee to explain a potential cost overrun in the next two years of \$1.08 billion.

Arnold Aldrich, associate administrator for space flight development, said that estimate is one "we do not now accept."

Through refining the estimates, stretching out the program, and making technical and managerial changes, he said, the three-year cost-overrun projection now is \$503 million.

He said NASA expects to bring the overrun down further.

"We are going to build this program within the budget we get from Congress," he declared.

The space agency was forced to revise its date for a permanently occupied station in orbit because Congress cut NASA's 1993 funds for the project by \$150 million from the expected \$2.25 billion, he said.

To cope with continued cutbacks of that size each year, Aldrich said, officials are stretching the construction program by nine months.

The new timetable, if it is not disturbed by design changes and other delays, will have the first construction flight to March 1996, four months behind schedule, said Richard Kohrs, NASA space station program director. Freedom should be up and running, ready for periodic astronaut visits by June 1997, six months behind schedule.

see Freedom, page B8

NASA names crews to '94 shuttle flights

By Mike Dienhart
Staff Reporter

On Friday NASA named the crews of STS-62 and STS-59. Both missions are scheduled for launch in early 1994.

STS-62 will carry the second U.S. Microgravity Payload and the second Office of Space and Terrestrial Applications payload, called OAST-2, aboard the shuttle Columbia.

This is planned to be a 13 day extended duration orbiter mission and will include experiments on growing crystals of semiconductor materials, investigating properties of xenon during phase transition, investigating the fundamental behavior of materials as they solidify into structures known as dendrites and monitoring equipment that will measure and record disturbances in the microgravity environment of the USMP carrier.

These experiments allow the scientific and commercial communities

to test space-based processes for beneficial applications here on Earth.

The shuttle Atlantis will carry the Space Radar Laboratory mission for STS-59. The Laboratory will take radar images of the Earth's surface for Earth system sciences studies including geology, geography, hydrology, oceanography, agronomy and botany. In addition, it will gather data for future radar system design including the Earth Observing System, and take measurements of the global distribution of carbon dioxide in the troposphere.

USAF Colonel John H. Casper will command the STS-62 mission with USMC Major Andrew M. Allen as Pilot and mission specialists USN Commander Pierre J. Thuot, USA Lt. Colonel Charles D. Gemar and Marsha S. Ivins.

Casper, 49, commanded STS-54 in January 1993 and was Pilot on STS-36 in February 1990. He was born in Greenville, S.C., but considers Gainesville, Ga. his hometown.

Casper received a B.S. in Engineering Science from the U.S. Air Force Academy in 1966 and a M.S. in astronautics from Purdue University in 1977.

Allen, 37, was Pilot on STS-46 in July 1992. He was born in Philadelphia, Penn., and received a B.S. in Mechanical Engineering from Villanova University in 1977.

Thuot, 37, was mission specialist on STS-36 in February 1990 as well as one of the space walking mission specialists on Endeavour's maiden voyage. While born in Groton, Conn., he considers Fairfax, Va. and New Bedford, Mass. his hometowns. He received a B.S. in physics from the U.S. Naval Academy in 1977 and a M.S. in Systems Management from the University of Southern California in 1985.

Gemar, 37, was a mission specialist on STS-38 in November 1990, as well as on STS-48 in September 1991. He was born in Yankton, S.D.,

see Crews, page B8

Astronaut leaves NASA

By Brian Gamage
Space Technology Editor

Mae C. Jemison, M.D., has hung up her space suit and left NASA to pursue interests in "teaching, mentoring, health care issues and increasing participation in science and technology of those who have traditionally been left out."

Jemison says of her experience with the National Aeronautics and Space Administration, "I leave with the honor of having been the first woman of color in space, and with an appreciation of NASA—the organization that gave me the opportunity to make one of my dreams possible. The experiences of the NASA astronaut program have opened many doors, and provided a way to put my hard work and training to use for the good of others."

Jemison, who is 36 years old, was selected for the astronaut program in June 1987. She was a science mission specialist on STS-47,

which launched in September 1992 and carried the Spacelab-J, a cooperative mission with the Japanese to study life sciences and materials processing.

STS-47 was affectionately known as "Noah's Ark" because of the multitude of animals it brought into space.

Jemison served as a co-investigator on the bone cell research experiment flown on the orbiter Endeavour during that mission.

She attended Stanford, earning a bachelor of science degree in chemical engineering, and Cornell, where she received a doctorate degree in medicine.

"Mae is an outstanding role model. We are sorry to see her go. I am certain that in our future recruiting efforts we will be able to welcome to the astronaut corps talented young scientists and engineers who have been inspired by Mae's accomplishments," director of Flight Crew Operations David Leestma said.

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Microsoft's MS-DOS 6.0 slated for release in April

By Ronald Hess
Data Technology Editor

Well, Microsoft has out done themselves again. Next month, Microsoft is expected to release MS-DOS 6.0, the upgrade for the top-selling MS-DOS 5.0.

Microsoft has chosen a different route for its operating system upgrade. Rather than just changing the current functions of DOS 5.0, the designer have decided to add to the already useful features. Besides, why change a good thing?

Currently, other software dealers are offering products to enhance MS-DOS or provide functions not offered by DOS. Microsoft wanted to develop an upgrade that incorporated some of the features of third party software. Some of the utilities provided are "watered-down" ver-

sions of products currently on the market.

John Dunkle, president of WorkGroup Technologies, feels that, "If MS-DOS 6.0 includes all these features, there's no reason to buy them from somebody else."

Data Compression

DOS 6.0 contains DoubleSpace, a data compression program similar to *Stacker* and *Superstor Pro*. DoubleSpace claims to double hard disk capacity much like its competition. Microsoft believes that the only other similarity is that data is compressed as it is stored.

DoubleSpace is built into the operating system. This alleviates any problems that might occur with installation and operation of other compression programs.

Other features included with DoubleSpace include the ability to increase and decrease the amount of hard drive space that is compressed.

DoubleSpace is also compatible with *Stacker*.

Hard Drive Maintenance

The enhanced DOS offers a few new utilities to aid in hard disk operation and maintenance. These include a defragmentation utility, virus protection and an advanced disk backup program.

The defragmentation program offered by DOS 6.0 is a version of Speed Disk, from Symantec's *Norton Utilities* software package. This version organizes the free blocks of a hard disk, but is unable to access splintered files.

A basic anti-virus utility is provided by Central Point Software. This program uses a database of known viruses to scan disks and memories for their presence. The virus database can be upgraded with updates provided by Central Point.

Symantec has licensed another feature of *Norton Utilities*, a disk

backup utility. The program will perform a full or partial drive backup upon request. Error correction functions are included. The program does not offer an automated or scheduled backups. This version also does not support tape drives.

Memory Management

The memory manager included with DOS 6.0 is a significant improvement over its predecessor. The *MemMaker* program is fully automated. The program diagnoses the system and allocates upper memory for device drivers and TSRs. Then, program reboots the system and checks for changes. The program continues to check until it believes that it has the optimum setup.

Other Utilities

DOS 6.0 provides new and improved network utilities. These range from accessing other Microsoft programs and peripherals

to an E-mail communication program. The operating system upgrade makes file transferring faster and easier.

One fine addition worth mentioning is a multiple boot feature. This feature avoids the limitations of CONFIG.SYS and AUTO-EXEC.BAT. Many computer owners are forced to alter their SYS and BAT files depending on whether they want to run *Windows*, or need to free memory for certain programs. Clean Boot allows owners to create and run numerous setups for their system.

Having all of these features offered in one program is wonderful for consumers. But what about the other software companies. Will they be looking potential purchasers? Microsoft believes that they will not.

Richard Freedman, MS-DOS product manager at Microsoft, feels that once users get a taste of the

scaled-down versions offered by DOS 6.0, they will want to purchase a more complete package with added features.

Microsoft also admits that there are software packages that can perform the same functions offered with DOS 6.0 better. The key point is that other programs do not include an operating system designed to run the utilities in an optimized capacity.

Rumors have been spreading that Microsoft is under investigation by the Federal Trade Commission for patent infringement and "bullying" smaller software publishers. Estimations of the cost total for third party software that is offered with MS-DOS 6.0 is approximately \$1000.

The upgrade kit is expected to cost \$60. This is about \$10 more than DOS 5.0. Microsoft believes that DOS 6.0 will outsell its predecessor by 15 percent.

Modems give minors access to pornography

SALT LAKE CITY (AP) - Your 14-year-old can't get past the front door of an adult bookstore. But with that computer you bought him for Christmas, he doesn't need to.

Using his modem, the computer's telecommunications device, it's possible for him to dial up a local BBS (electronic bulletin board system), lie about his age and access the adult files section.

There he finds an erotic library ranging from lurid text to short, X-rated digital movies and encoded color still photographs.

The punch of a key or click of a mouse downloads the material. With a viewer program readily available on any BBS, he calls up the images to his screen.

For such computer-literate minors, technology has opened a back door to the forbidden that existing statutes are ill-equipped to close, says Gale Evans, a Washington-based unit chief for the FBI who oversees the agency's anti-smut effort.

"Obscene material is definitely covered under interstate transport of obscene material (laws)," he said. "But due to the age and language of

the statute itself, there is some doubt digital transmission is covered."

In Utah, several BBS operators agree, most adult materials originate out of state, having been passed innumerable times from one board to another until the same files are available on thousands of electronic bulletin boards nationwide.

Those systems can range from a teen running a board off his personal computer and the family telephone line to full-time, commercial operations with thousands of paid subscribers.

The interstate factor makes it a federal issue, but prosecution under obscenity statutes "is still a vague area," Evans said, due to uncertainty over whether existing law can be applied to computer-borne porn.

Child pornography is a different matter, classed by its exploitation of minors as "obscene, period," he said.

Evans said incidents of child porn intentionally being offered on BBSes are rare. More often, pedophiles use their modems to transfer such materials to each other.

"There are at least a couple (investigations) ongoing at this time into E-Mail and point-to-point kid-

die porn," Evans said, but declined to elaborate.

However, on Thursday federal agents raided 40 locations throughout the nation as part of a history making crackdown on a computerized child porn ring. It was the culmination of a year-long operation dubbed "Operation Longarm."

Utah was not on a list of 15 states raided by federal authorities.

Efforts by bulletin board system operators in Utah to restrict adult file access range from extensive to casual.

At the Graphics Connection BBS, system operator Kay Leavitt offers hundreds of conferences, but acknowledges the adult section is the most popular. He requires members to download and mail in adult access applications stating they are over 18.

In some cases, Leavitt requires photo identification before providing the section's password. He also tries to limit the selection to soft-core "Playboy or calendar-type pictures." But sometimes a caller will try to get harder stuff by him.

A few days after interviewing Leavitt, a reporter found one such

file in the Graphics Connection's "new upload" directory. Since it had not yet been categorized, the reporter was able to download the file, an explicit, hard-core digital movie, without a password.

The file was soon discovered and deleted, but the incident underscores the difficulty of keeping sexually explicit materials on BBSes out of the hands of savvy minors.

The system operator of Far Point BBS said that 87 of his 157 users have adult access, obtained by request and on-line assurance of proper age. But that may not be enough to keep determined minors at bay, he allows.

"I have to admit I don't voice-verify everybody. But I generally 'chat' (on-line text conversation) with most new users," said the operator, who asked not to be further identified.

The Public Domain, a Utah BBS fixture since 1989, once offered adult materials, but no longer. System operator Ed Denton says it's not worth the risk.

"There's just no way to guarantee that children don't get hold of them,"

see Porno, page B8

Compaq releases new line of low priced computers

HOUSTON (AP) - Compaq Computer Corp. introduced 39 new models and cut prices by 9 percent to 20 percent on some computers and printers last week.

Officials of the Houston-based computer maker, however, said Compaq's recent emphasis on slashing prices likely would ease as they focus more on customer service and support.

"Our strategy is not to be the cheapest provider of personal computers, but one who provides the highest value," said Gian Carlo Bisone, vice president of marketing for Compaq's North American division.

"We are committed to remain competitive in this marketplace, but we will not look at price as the only element that makes us competitive," he said.

Compaq embarked on a new low-price strategy last summer, following the first loss in the company's 10-year history. The move spurred cost cuts at many other PC makers.

The new products unveiled last

Monday include the Compaq ProLinea CDS, its first multimedia computer that sells for about \$1,699.

Compaq also introduced six notebook models, including new 486SLs priced from under \$2,000 to \$3,299. Compaq also introduced 33 new desktop models that range from less than \$2,000 to \$2,399.

In addition, the computer maker said it had reduced prices on some notebook computers by as much as 9 percent, on desktops by up to 15 percent and on the Compaq Pagemark network printers by 15 to 20 percent.

The price cuts include the entire ProLinea, Deskpro/I and Deskpro/M computer lines, along with the Contura notebook line and other products, the company said.

Compaq also said that the company no longer would publish suggested list prices for the United States. Rather, the price cuts reflect estimated street prices based on what Compaq charges dealers and average resell markup, Bisone said.

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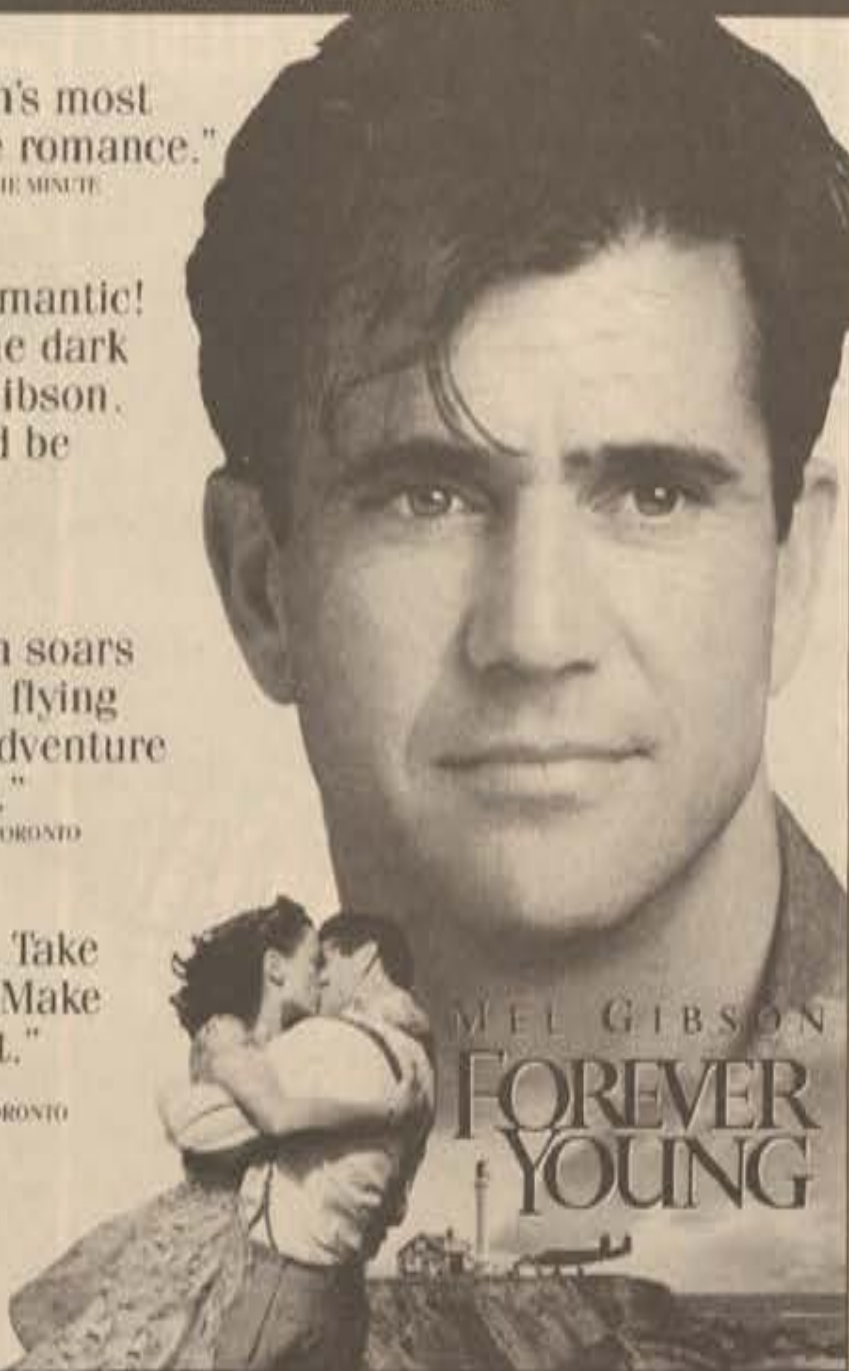
-Pat Collins, WWOR-TV

"Mel Gibson soars in the high flying romantic adventure of the year."

-Brian Linehan, CFRD, TORONTO

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-Terry David Mollison, MOVIE TELEVISION, TORONTO



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Critic's Corner:

Mad Dog and Glory fails to offer even low-quality entertainment



Mike McGrath
Movie Critic

Mad Dog and Glory

Starring: Robert DeNiro
Bill Murray
Uma Thurman

Rated: R

Rating: ★

Length: 1 hour, 30 minutes

Playing: UA Cinemas 4-9

Each and every week I try to link the movie to some pertinent event in the life of Riddle's most valuable asset: my roommate. Unfortunately, I have reached a conundrum in ideas, a quagmire if you will.

This week's movie I chose to review, *Mad Dog and Glory*, really had no point to it. So instead of dragging innocent victims into some story of campus life, I am going to do what I like to do the most: tear apart a movie. I rarely get to do this, so hang on, it's going to get rough.

Mad Dog and Glory stars Robert DeNiro, Bill Murray, and Uma Thurman. DeNiro plays a police forensic photographer who saves the life of a Mafia

comedian, Murray.

In return, Andrew Dice Corlone gives him a present in the form of Uma Thurman. The rest of the movie deals with the release of Thurman from the evil clutches of the mob.

This is the first problem. Who came up with this idea? Surely, there are better writers out there. The plot definitely needs a lot of work.

Robert DeNiro, one of the best actors on the screen today, was less than impressive. Instead of acting, he looked like he was having a bout with irregularity. When he opened his mouth, I half expected him to say, "Gimme a Metamucil on the rocks. Yeah, the new better-tasting orange flavor."

There were very few chances for him to really act at his best. My advice is for him to kick back, grab a tall cool glass of prune juice, and wait for a better screenplay the next time.

Now for my next victim, Bill Murray. Most of my criticism is not directly his fault, though.

He was cast in a role that was not him at all. He plays a Mafia comic. Is this a real job? How do you become a professional Mafia comic?

Fortunately, Bill only sees limited screen time. The lines he is given leave a bad taste in your mouth.

All of his jokes are cliché and somewhat dry. I laughed harder when the Brady kids locked themselves in a jail on the way to the Grand Canyon.

Now for the bright spot in the movie. Uma Thurman is this movie's saving grace. For whatever reason, I like this actress.

Maybe it is because of her name, or maybe it's her quietness. It could also be the fact that she is a female and I go to a predominantly male school.

She has starred in many good

films. *Dangerous Liaisons* and *Jennifer 8* are just two such films. She always seems to be depressed and sad.

Even at the end of this film, she doesn't appear to be happy. I hope she isn't typecast the rest of her life. It would be nice to see her smile once.

The movie went rather slowly. Scene after scene just seemed to drag on and on. Unlike other movies, which seem to have some sort of order to them, *Mad Dog and Glory* had very little cohesiveness to it, and simply wound up confusing the viewer.

There were no subplots or high action stunts. The musical score consists of DeNiro singing "Just a Gigolo." He disgraces the David Lee Roth version of this timeless classic with his less-than-adequate-for-Karaoke voice.

I don't think I need to sum up my thoughts on the movie. Simply stated, I did not like it at all. If you are looking for a documentary on Organized Crime Comedians, *Mad Dog and Glory* is the one for you.

If you are looking for a good comedy movie mixed with elements of Mafia life, try *The Godfather* followed by a *Naked Gun* chaser.

If you don't want to see a movie or laugh, have a glass of prune juice. It's guaranteed to either pass the time or something else.

★★★★ - Can't miss!
★★★ - Worth watching.
★★ - Wait until dollar theatre.
★ - Read a book instead.

It comes to video to terrorize you

By David Gass
National News Editor

About two years ago Stephen King's *It* was released by Lorimar Television as a mini-series. Now *It* is being released by Warner Home Video and is available at your local video store.

This three hour and ten minute movie has an all-star cast that includes Harry Anderson, John Ritter, Annette O'Toole, Tim Reid, Richard Masur, Dennis Christopher and the one and only Tim Curry as Pennywise the Clown. Tim Curry appears every once in a while, but when he does it is a great performance.

The characters of the movie are both amusing and serious. John Ritter plays Ben Hanscom, a trouble maker turned millionaire who still has problems as an adult. You will recognize John Ritter from the television series *Three's Company* years ago.

Tim Curry has starred in many movies, such as *The Rocky Horror Picture Show*, *Clue* and many others. Tim Curry is a well-known and talented actor who delivers a promising performance every time he appears in a movie.

Tim Reid used to star in the television series *WKRP in Cincinnati* back in the 80s, as well as in other series. Harry Anderson portrays his usual persona as Richie, a wisecracking adult who hasn't changed a bit since he was a kid. Harry Anderson is well-known as Judge Harry Stone, the judge who idolizes Mel Tormé on the series *Night Court*.

Richard Thomas plays the character of Bill, who lost his brother to the evil and child-luring Pennywise the Clown. Bill is obsessed with killing *It* once and for all.

Richard Thomas is best known as Jon Boy Walton on the old television series *The Waltons*. After you stop thinking of him as good ol' Jon Boy, you enjoy a great performance by Richard Thomas, who proves to be one of the best actors in this movie.

The remaining characters each have their own unique problems and situations which make each of them decide to come back to Derry and destroy *It*. Unfortunately for the self named lucky seven, they are thirty years older and *It* has grown stronger over the years.

Stephen King's *It* is based on his best-selling book by the same name. The story is well written and anyone who likes Stephen King novels or horror in general will like this movie.

This movie is pretty scary compared to some of the other Stephen King movies, such as *Cujo*, and definitely better than some of his other movies like *The Lawnmower Man* and *Pet Semetary*.

The story begins in a small town in Maine called



It is one of the most successful movies based on Stephen King's novels. Since it was released, it's received rave reviews.

Derry. A series of murders occur and Mike Hanlen, played by Tim Reid, believes that a monster known only as *It* has come back to terrorize anew the town of Derry.

It terrorized Mike and six other friends when they were children. They had believed they had killed *It* long ago, but the new murder lead them to think otherwise. Mike realizes that *It* must finally be stopped for good.

When Mike calls all of his childhood friends and tells them *It* is back, the movie flashes back to their childhood experiences and horrors that they encountered so many years ago.

This movie, like many other Stephen King features, has a nice blend of horror and action which makes it a movie that will keep you glued to your seat.

If you do like this movie and are not familiar with the other movies based on Stephen King's books, try them out.

Overall, the performances of the characters are done very well and I personally think the story is great. *It* is a horror flick that should not be missed and a movie that will be enjoyed by all horror and science fiction fans everywhere.

It is a must-see movie. If you see this movie in a video store, pick it up. You'll be glad you did.

Overall, the performances of the characters are done very well and ... the story is great.



Ever Get Somebody Totally Wasted?

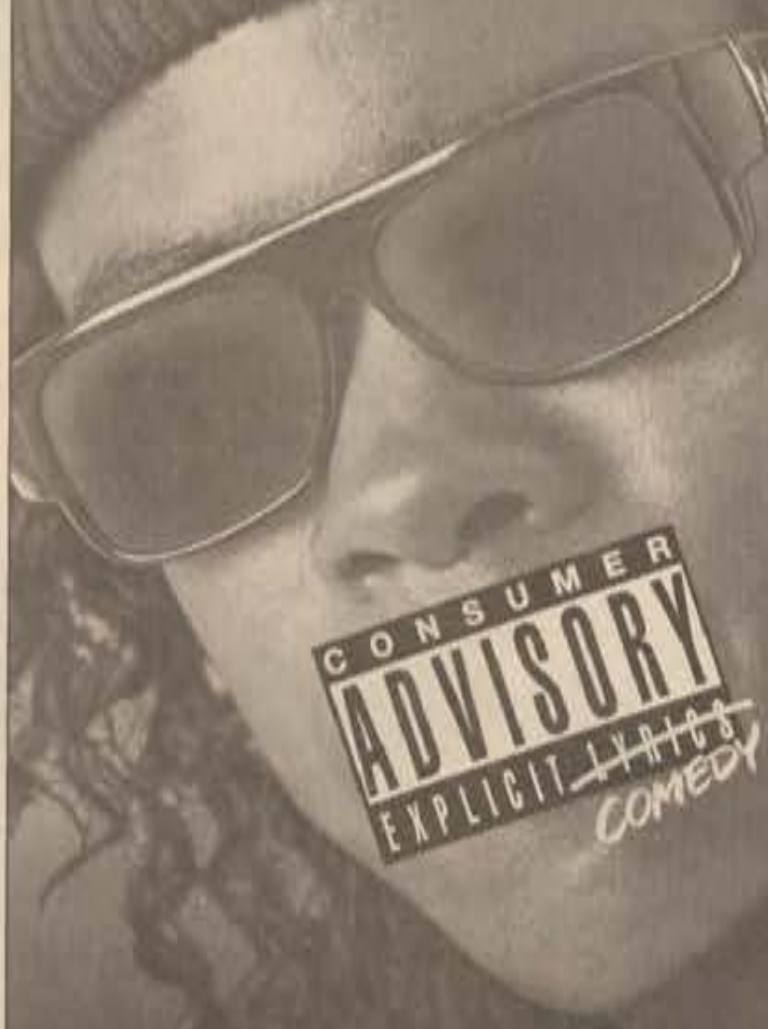
TAKE THE KEYS.
CALL A CAB.
TAKE A STAND.



FRIENDS DON'T LET FRIENDS DRIVE DRUNK

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COMING SOON TO A THEATRE NEAR YOU.

Duran Duran, the band, returns with a great album entitled *Duran Duran*

By Greg Rozendes

Avion Staff Writer

Ask anyone, and I don't think you will find a single person who hasn't heard "Ordinary World," the first release from Duran Duran's newest album, which is simply titled *Duran Duran*.

The album's cover, which has nostalgic bride-and-groom portraits of the band members' parents, has given the nickname of "the wedding album" to it.

This new album has been on the back burner for a couple months while its first release "Ordinary World" has climbed the college music charts to the #1 across the nation.

Duran Duran has been a name that is well known in the music industry for over a decade. Despite numerous member changes and a few break-ups, they have remained a constant influence in the entertainment world.

Between 1981 and 1985, Duran

Duran had hit the charts with such memorable hits as "Planet Earth," "The Reflex," "The Wild Boys," "Rio," "Union of the Snake," "Hungry Like the Wolf," "Save A Prayer" and many more, including a soundtrack title song for a recent James Bond movie entitled "A View to a Kill."

In 1985, John and Andy Taylor formed a group called The Power Station for a one-off album, while Nick Rhodes, Simon Le Bon and Roger Taylor formed the group Arcadia, which had a few hits of their own.

Albums from both of the groups

sold two million copies, and Duran Duran regrouped to perform at the Live Aid concert at JFK Stadium.

From 1986 until the present, the members of Duran Duran have created such hits as "Notorious," "Skin Trade," "All She Wants Is," "I Don't Want Your Love" and, of course "Ordinary World."

With the celebration of 10 years of single smashes, Duran Duran released their greatest hits album entitled *Decade*.

After *Decade* the *Liberty* album was constructed and now the pop rock band from England has released their self-titled *Duran*

album.

Duran Duran the album, though only released in February, has had many Duran Duran music lovers on the edge of their seats since early fall, when "Ordinary World" was released as a single.

Now with all the mystery and technique of a veteran band, Duran Duran shoots another couple hits into the charts.

"Ordinary World" has already shown to everyone that the group is back, and now other possible hits like "Too Much Information" and "Come Undone" will show people that they are not leaving in the near future.

Although Duran Duran's style has changed over the years, they have grown from an inexperienced party band to a serious and mature group of individuals who love creating music for the masses.

As for myself, I have been listening to their music over the years and have collected many of their albums.



With the release of their self-titled album, Duran Duran continues a tradition of constant smash hits that began over ten years ago with "Girls On Film."

I have not yet found a Boys. Aside from everything else, I'm still curious to know exactly what the song "The Reflex" actually means.

Duran Duran ... has had many Duran Duran music lovers on the edge of their seats since early fall..

Paintball has fun for those looking for time to kill

By Jaylin Billig

Avion Staff Writer

In keeping with the spirit of Diversion, I am always seeking out new and different activities for the Embry-Riddle student. One of the more interesting things I have found to do for the military-minded is a relatively new sport called paintball.

Paintball is the civilian equivalent of military combat, without the unsightly gunshot wounds. Weekend warriors are allowed the thrill of real combat and military maneuvers in a relatively safe environment.

This weekend, a large group of friends and I went to a paintball field up in Flagler called Paintball Encounters. Founded by Marvin Clegg, Paintball Encounters is a new field where players are provided with guns, masks, and ammo and are divided into two teams which are then placed against each other in different games.

The equipment provided included a choice between Tracer pump-action guns and Stowaway II semi-automatics. Half and full face masks were available as well; the full face masks were for those players who needed to wear their glasses during the games.

Having very limited contact with paintball, I had no idea what to expect from this new place. I envisioned something from *Red Dawn*, complete with buildings and smoke. What I discovered, however, was a game far more interesting than I had thought.

A total of five different games were played from early morning until mid-afternoon. The average length of time for each game was a half-hour, with some games going a full forty-five minutes.

The first game was a capture-the-flag rally, with each team trying to get their flag from the center of the field to the enemy base. Points were given for a kill and for grabbing the other team's flag along with your own.

The next game's objective was to capture forts held by the other team. A variety of different forts were set up around the playing field, ranging from sniper forts to ground-based barricades. This game lasted forty-five minutes and was the longest one of the day.

The third game consisted of a hunt-and-kill strategy, where members of both teams simply went out and tried to shoot each other. This made for a fast-paced and thrilling event, and though it, too, lasted forty-five minutes, it seemed to go a lot more quickly.

After the hunt-and-kill game, the teams were placed at opposite ends of the field for a run-the-gauntlet kind of game. In this game, each team ran toward each other and tried to reach the other side of the field without being shot.

The last game was another capture-the-flag event, lasting about fifteen minutes. Totals from each game were added up at the end and compared. Our team, unfortunately, lost by only one point.

Mr. Clegg's associates were nice enough to offer sandwiches and drinks to us when we broke for lunch, and sold numerous other combat items.

Overall, Paintball Encounters offers a good time for anyone wanting to experience the thrill of paintball.

I envisioned something from Red Dawn, complete with buildings and smoke.

Ah, the joys of motorcycle racing!



Bike Week ended this Sunday with the annual Bike Week races, which featured many fast and beautiful bikes. This week officially begins Spring Break, so get ready for the huge influx of students.

SPACE TECHNOLOGY

Be a part of the space program.



GET INVOLVED

Join the Avion Staff

The *Avion* has openings for writers and photographers.

Stop by our office 2nd floor of the student center for more details.

You can't change anything by sitting on your butt!

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Aerospace Society SAA

By Joshua Mussaf
Initiator

Thanks to all the members who have helped in making this Space-Week the best in recent memory. But remember, SpaceWeek runs through tomorrow, so don't let up now. Please help out if you have the time.

Tonight at 7:00 p.m., in room E-611, we will be having our annual Astronomy night with Professor Fleck. If the weather cooperates with us and we have clear skies, we will view the Moon and the planet Venus. If the skies are cloudy, we will have an indoor presentation on radio astronomy.

Our car wash has been rescheduled for this Sunday, March 14 at 10:00 a.m. at the Texaco station on

the corner of Beville and Ridgewood.

Next week, Astronaut Eileen Collins visits Embry-Riddle. She will speak at 8:00 p.m. in the Student Center. Astronaut Collins' visit is jointly sponsored by the Embry-Riddle Aerospace Society and the Women's Programming Board.

Other upcoming events in the month of March include a trip to the Daytona Beach Planetarium, a possible speaker from McDonnell Douglas and a trip to Typhoon Lagoon on March 27.

Don't forget, we still have more of our Aerospace Society T-shirts. They are available for only \$6.00.

In April, we will be going to Blue Springs and we will have our "awards banquet" to wrap up the spring semester.

By Krissy Kopecky
Member

Hi everyone! I hope all of our SAA members are doing okay. This time of the semester is a little rough and many students disappear into the books and homework.

Even with all of the schoolwork, the SAA has been keeping busy. Six members participated in the "50-50 Raffle" at a recent Daytona Beach Sun Devils hockey game. It was successful and a lot of fun. If anyone is interested in participating in another one, please contact Harry Shinn or Krissy Kopecky.

The trip to NAS Mayport was both interesting and educational. Although the USS Saratoga is under construction, the tour guides did

their best to show us how the aircraft carrier operates. They estimate the Saratoga will be ready to go by May or June.

After the members returned from NAS Mayport, there was work to be done. The SAA sponsored a Playoff Reception for the basketball team and fans after the last scheduled home game, February 27th. The reception was attended by approximately 200 people and was held in the multi-purpose room in the Silver Sands gym.

Finals kits flyers should be going out soon if they haven't already. Please be ready to lend a hand to get the kits out when the time comes. There will be a lot of work to do. The club benefits greatly, so it is all worth it.

AXA

By Barry E. Hill
Secretary

Top ten reasons why Brian Evans is a nerd:

- 10) His personality is like a broken record.
- 9) He has a nifty stutter.
- 8) His truck is so gay.
- 7) All he talks about is that damn Uncle Jesse lookin' truck.

AAAE

By Stephen R. Harvey
Secretary

On Wednesday, March 10 in Spruance Hall 206A at 7:00 pm, the AAAE will be taking nominations for all executive positions for the 12 month period starting May 1. These positions include president, vice-president, secretary, treasurer and historian. All interested persons must attend this meeting! Voting

will take place two weeks later. This is a great opportunity for you to play an active role in a great club while also making an impressive addition to your resume!

Following the nominations on the 10th, we will be hosting a guest speaker talking to us about "State Level Aviation Planning and Management in Florida." Please plan to attend as this promises to be an interesting and informative evening.

- 6) No oral hygiene whatsoever. Doo-Doo tooth.
- 5) He is not strong.
- 4) Scotty P. lookin' mo-fu go-tee.
- 3) Overexaggerated sense of sexuality.
- 2) Never shuts UP!
- 1) His four on the floor dual carb havin', nitro-charged Boss Hog pullin', no respect gettin' Cooler truck.

ΣΠ

By Tore Gudroed Markussen
Initiator

Since the last article in the Avion, Sigma Pi has been working eagerly to present itself as a reputable member in the community that encompasses central Florida. Sigma Pi's have joined together to promote Embry-Riddle as a viable leader, not only in aviation, but also as a community leader as well. What I am talking about is the humanitarian effort Zeta-Beta chapter is providing for the neighborhood. Our men are "in the trenches" and must abide by our prime objective...to continue the honor of Sigma Pi.

We have graciously volunteered to support PLAYBOY by helping to entertain the playmates while they are not involved in the promotional advertisement on the beach front. Some of our duties include:

1. Acting as a "Go-For" to the models. This includes being chambermaids in their hotel suites. The duties can range from fetching a playmate's teddy to giving a centerfold an oriental hot oil massage...in and out of the jacuzzi.

2. Driving the girls from the beach to their hotel in our exclusive "Plachmobile." It would be a terrible shame if we inadvertently ran out of gas in front of our house with

our bombshell guests onboard. Maybe we could offer them a few drinks while we rustle up some petrol?

3. Giving the playmates advice on which bikini or thong is most revealing to their goddess-like silhouettes. "Of course we'll close our eyes when you get changed!" (this does not apply to the lavish Barbara Moore, Playboy's Ms. December. She likes being watched when she dresses as attested by Brother Barracuda!)

4. On occasion, the weather will turn sour and we will be forced to entertain the models while the rain is falling. Some of our games include poker (chess club version), pledge trivial pursuit (SPF), pin the tail on the centerfold and describing what color the playmate's underwear is while being blind-folded. This is Mr. Davern's specialty...he's got the beard!

5. And finally, volunteering the pledges to help out in our schoolwork while we perform the above functions. (Just kidding folks!)

By helping out the citizens and the thousands of other visitors that flock to Daytona Beach, Sigma Pi's are being thrust in to the spotlight which could only aid in increasing the prestige of our University that is rich in heritage and has a proud tradition of Aerospace leadership.

ΘΦΑ

By Erica Watt
President

HELLO SEXY THETA PHIS!!! I was so thrilled when Frenchie asked me to write this article, finally something everyone can relate to!

Time sure is flying by. Pledges - keep up the hard work, things will be over before you know it. Think especially about TRUST and remember to always trust the sisters. Isn't that right shiny badges? Squint! We are all looking forward to Awards Night, it better be good.

It sure was nice to have Dolly all

to ourselves last weekend, without the ole' ball and chain that is. All - he @**Sed up! Flying Nun - we love you and miss you! Anyway - there is a lot coming up this month so be prepared. Elections are just around the corner. Also next week is Women in Aviation Week. Theta Phi Alpha's first president, Susan Fasano, who graduated from Riddle in 1986 will be speaking on March 16th at 6:30. Susan is a First Officer for United. Theta Phi Alpha will also be co-hosting a scavenger hunt with Alpha Xi Delta.

Have a great week and remember Theta Phi Alpha kicks @**!!!

Clubs Policy

- ➔ All articles must be type-written, double spaced or on-disk format (unformatted in Word Star or Microsoft Word).
- ➔ Deadline for submission of all club material is Wednesday at 5 p.m., one week prior to publication.
- ➔ Photos may be submitted with club articles.
- ➔ All submitted material becomes property of the Avion with the exception of disks.
- ➔ The Avion reserves the right to edit all submitted copies.
- ➔ For more information, stop by or call the Avion office at (904) 226-6049.

AHP

By David Macko
Secretary

Yo Rho! Yet another week at the grind here at Riddle and the world's most famous beach.

Bike Week has passed again along with another annual round of cole-slaw wrestling.

Public relations is on a roll this week as Rich and the guys have another presentation for high school students in the area. This week, it will be at Mainland High School with Tom and Dingle as new-comers to lend a hand with the presentation. The topics that are normally covered at a presentation are Flight Operations, Aeronautical Engineering and Air Traffic Control.

We have some congratulations going out to some brothers from some brothers this week for certain accomplishments. Way to go Chris! We would all like to know your secrets on how to bag a troll!?! Congratulations to Jim for finally realizing that his car was not stolen, it was just a result of his pickled state.

An all out trip looks like it is still in the works for a later date, possibly a canoe trip or a pontoon trip. Any other ideas?

On St. Patrick's Day, March 17 a group of us are making a trek to The Edge for the House of Pain concert if anyone else is interested. Hey Joel, go buy your own ticket!

'Til next week AHP, have a good one!



The view from the Blanik being towed aloft at 3,000 feet behind the Super Cub at Massey Ranch Airpark.

Soaring Club

By Jason Piper
Member

The soaring club held a fly-in at Massey Ranch Airpark on Feb. 28th. Everyone who attended had a good time. Ten flights were completed on the beautiful sunny Sunday. Club Vice-President John MacDonald was Pilot in Command on eight of the flights. Most people who went

with John donned parachutes and did some one turn spins in the Blanik. A big thanks to John and all others who helped make the day an excellent time for all. Hopefully we can have another fly-in soon, and hopefully I'll have a glider CFI then too. Wishful thinking!

If you are interested in gliders, come to our next meeting, Wednesday in the landing strip conference room at 7:30 pm.

By Keith Sterner
Public Relations

During Substance Awareness Week (March 1-5), we participated in two events. The glass case contest was judged on Monday, March 1, and our case won second place (I thought up the main idea and other people offered a few suggestions). Placing second brought our treasury \$40, which never hurts! Dave Hausman, our Treasurer, participated in the Mocktail contest on March 2 on the club's behalf. Sarah Brierly, Cindy Bennett, Craig Cavallieri, Tiffany Thompson, Jennifer Quimby and Eric Goss hung around after the meeting and showed their support for the club. We did not place in this event, but still had an enjoyable time. For those of you who weren't there, you missed out on the fun of being a part of the event, as well as free dinner!

At our meeting, Marilyn Sheddian gave us a short presentation on SEDSat 1. Marilyn recently made a trip to Huntsville, Alabama and Cindy asked her to look into getting some recent information. She came back to the club with some exciting news on the satellite. After the presentation, it was announced that Craig Cavallieri and Cindy Bennett will be jointly starting a project with SEDSat 1.

ERFSSEDS has been asked to be the ground station when SEDSat 1 is launched in April of 1994. Preparations will be made through this project, so we can all be ready to go when SEDSat 1 flies. The first step is to train interested members in the operations of amateur radios and get them HAM licenses. It will be necessary to have a HAM license to down link the data from the satellite. If anyone is interested, drop a note

to Craig or Cindy, in our Student Activities Box, if you can't make it to our meetings.

If we are going to pursue developing the ground station, we are going to need some funding. So, as you can probably guess, we are going to be having fundraisers on a more regular basis. Our first step in this direction is a car wash on March 13 at Texaco on Beville and Ridgewood. If you can work the car wash, even for only an hour or two, let Dave Hausman know or leave a note in our box.

The Science-Fiction Marathon is coming. SOON! The date will be announced in the next edition of the Avion. This event may include films, talks, make-up sessions, etc. Any ideas are welcome, just let an officer know.

The GTE Challenger Center trip is on for April 3 - 4 (Sat - Sun). The cost is \$15 due to the fact that the club is kicking in some money as a discount to our members. The event is open to the public as well as our members. The Aerospace Society has been invited as well. The money must be in to Dave by Tuesday evening, March 16.

A group picture will be taken on March 12 at 4:30 pm. The Phoenix Yearbook will be doing the photography. Please dress in a manner that you feel is appropriate for the club and also how you want to be remembered.

Monday, March 15, ERFSSEDS is sponsoring the opening reception for Women in Aviation Week. Capt. Kaye Downing will be speaking in the Spruance Hall Atrium at 6:30 pm. Everyone is invited to attend. The week is only intended to raise the awareness of the contribution women have (and are) making to the aviation/aerospace industry.

who is interested in Euro-American relations. The club is looking for sponsors for future projects. One of the many projects that the club is working on is the designing of T-Shirts with European industrial projects. If you are interested, contact Dr. John Goldberg, Humanities department, ext. #6633.

Euro-Connections

By Alix Puech
Member

Euro-Connections of America brings together students, staff and faculty members together in the discussion of the European industry and culture. The club is open to anyone

Semper Fi Society

By Mark Bosley
Public Affairs Officer

For those not able to attend last Wednesday's meeting, we were paid a visit by 2nd Lt. John Kelliber to speak about USMC officer training. 2nd Lt. Kelliber is an Embry-Riddle alumni and recently finished The Basic School (TBS) at Quantico, Va. Topics of the speech included tips

on gaining acceptance to OCS along with do's and don'ts as well as the additional training received at TBS. Thanks to 2nd Lt. Kelliber for the visit and the information, ooh rah! Upcoming events will be posted on the club bulletin board in the U.C. or call any of the club officers.

For information on OCS applications, call the OSO office in Orlando at 1-800-432-2061. Semper Fi.

ΔΧ

By Chris Hildebrandt
Public Relations

Did everyone have fun working this weekend? Now that all of the bikers are gone it is time for the real Spring Break. The beaches are only getting more crowded as the weeks pass. I see a lot of familiar faces there and a ton of unfamiliar faces that I would like to get to know better, a lot better. Plenty of bikini and wet T-shirt contests at the big hotels going on every day for those of you who are not afraid of the women, Pete.

Everyone had a good time on

Friday night at the Graffiti Party with the Zetas. I was running around signing everyone's shirts as free as can be until I was spotted and caught. Thanks to Pete, Joe and Jim on keeping me updated all night. I am sure that we will be doing it again soon.

The Social with the Phi Alpha Omigod last Saturday was a blast. Thanks to everyone who made it possible. Hopefully, we will have them back down here again soon.

Don't forget that we have the Theta Social on Friday. It should be a grand old time, plenty of fun for all ages.

Senior Class Council

By John Luke
Communications Chair

45 days to graduation and we can not wait! The Senior Class Council will be meeting tonight at 7 p.m. in room E-609. The Senior Class Council will be finalizing how we will print ballots for the faculty/staff awards and details on graduation and the senior class party.

Senior class project ideas currently include raising money for the University's annual fund which would be earmarked for library books or possibly the ERAU flight demonstration team. Any other ideas are being asked for by the council.

The list of discount hotels and related prices will be made available to all graduating seniors within the

next month. Watch for Avion articles and messages in your boxes concerning these, members of the senior class.

During the Daytona 500, Feb. 14, 1993, the senior class council sold parking spaces on campus. Space sales were lower than usual. Shana Benton, Senior Class Vice-President, said that she attributed the lack of spaces sold to additional spaces provided by the airport and the new Williamson Blvd.

Benton said that although the Senior Class Council expected to raise \$2500 from the sales for parking, the council only raised \$433.50. She said that this left the balance for the council at \$750.50. Seniors interested in the council should attend the meeting tonight.

Calvin and Hobbes

by Bill Waterson



Far Side

by Gary Larson



On this particular day, Rory the raccoon was hunting frogs at his favorite stream, and the pleasant background music told him that Mr. Mountain Lion was nowhere around.



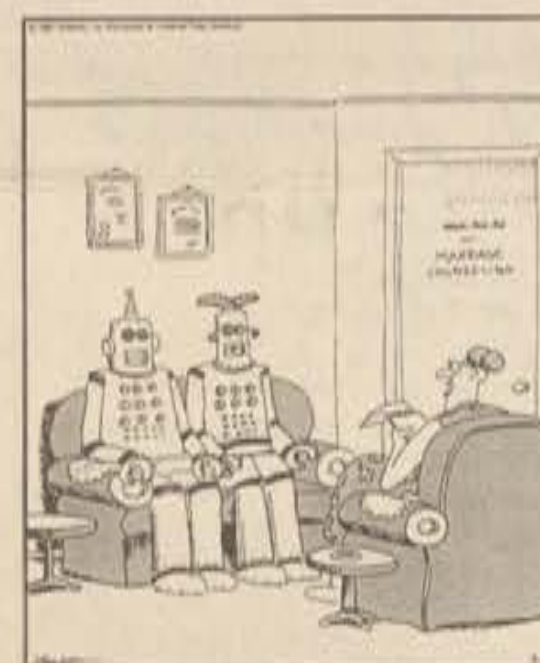
"It wasn't me, Dad! It was Randy's musk glands!"



Only Claire, with her oversized brain, wore an expression of concern.



"Several more deaths have been reported in the neck area, and although the authorities won't comment, residents are blaming the new collar."



"The problem, as I see it, is that you both are extremely adept at pushing each other's buttons."



That evening, with her blinds pulled, Mary had three helpings of corn, two baked potatoes, extra bread and a little lamb.

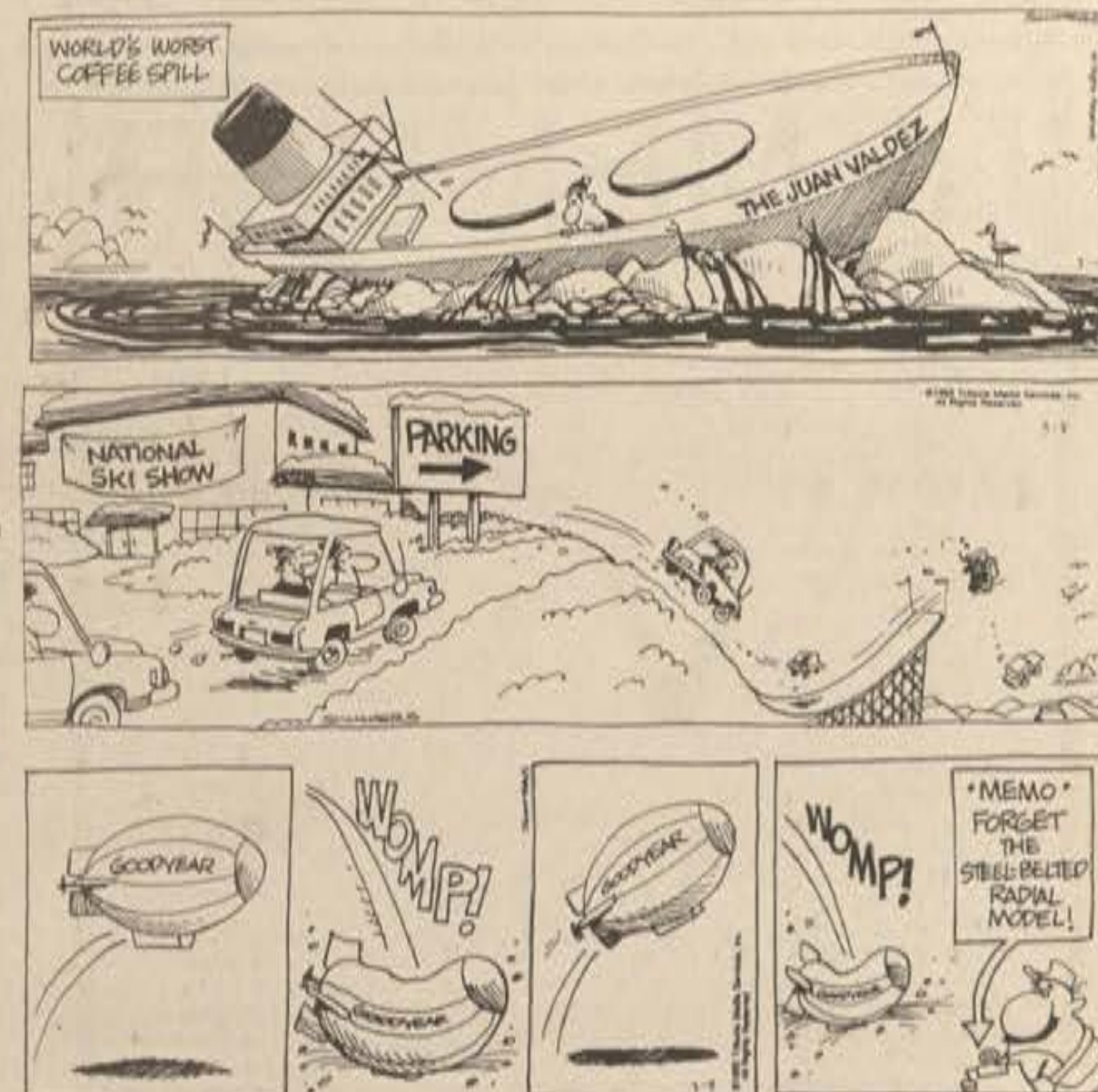
Dave

by David Miller



Bound and Gagged

by Dana Summers



→ Autos for sale

Buying a vehicle? Buy from a Riddle Almond. New and used cars and trucks/program cars. Contact Mark F. Morano at Gary Yeomans Ford executive car sales, 974-4455. Bring this ad!

1983 Chrysler New Yorker runs great, A/C, power everything, clean, Florida title \$900 obo call Mitch 756-4449

1982 Grey Isuzu truck for sale. Great shape. Must see... asking for \$800 or best offer. Call Bridgette at 226-7345.

→ Roommates

Need a place to live over the summer? \$132 / month + 1/4 util, Ocean Oaks Apts., about 6 miles, female only, Box 3694, 756-8941, Esther

Flight Instructor needs roommate! Forest Lake Apts., Male or female, non-smoker, \$275 / month + 1/2 electric and phone. Call Dale 760-6892.

Female roommates needed for Fall 93/Spring '94. Move in before leaving for summer - small summer storage fee. Three miles from ERAU, own room, 1/3 rent and electric. ASAP - call Katie 253-9656, or box 7872.

Available starting summer 2 bedrooms, 2bath apt. Island Club partially furnished \$292.50 & 1/2 Util, washer & dryer, tennis courts, jacuzzi, nice pool area. Must be non-smokers, trustworthy, clean. Contact Chris @ 767-0739.

→ Misc. for sale

DOWNTOWN USED FURNITURE! 9000 sq. ft. showroom, Tues.-Sat. 10-5:30 406 N. Beach St. Daytona 239-9884. Buy and Sell.

Living room set with sofa bed, like new, \$225.00 - dining room set, table with four chairs, very good condition, \$125.00 - King size water bed with headboard, very good condition, \$200.00 - call Mary at 788-0751

KX-P124 Panasonic printer, 24 PIN, 28mm dot pitch. Almost brand new + 1 box tractor paper and stand. \$150.00 obo. Call Ahmed at 761-0187

Twin size bed, very good condition, \$25.00 obo. Eureka vacuum cleaner, \$25.00 obo. Stereo system, with two speakers, \$25.00 obo. call Mary at 788-0751

For sale: Sofa bed \$50.00, 4 cu. ft. refrigerator \$125.00 (like new), toaster oven \$15.00

For sale or Rent: 2bed/2bath Townhouse. Two levels, full appliances: Pool, Cable T.V., water and trash removal all included. Located only 2.5 miles from ERAU. Call today for more details 788-4343.

\$100, obo-17" GE color TV, good condition, rarely used. Contact John @ 258-7603 or box 2084.

Holts Cat 14, 3lb, Trailer, Trepene, Sathuric, great cond., can be seen on Old Deland Rd., I-4 on ramp, US92, \$1100.00 ready to sail. Leave message Scott 760-3600, Kevin 258-6176.

Car Audio equipment at discount prices!!! Pyle, JVC, crutch and more. Give yourself the best for less. Call (904)426-7275 for more info.

Neon Miller Lin sign \$50.00 OBO. Call 788-8558.

Telex lightweight headset for sale. Proxic 5x5, \$100 " plant " 254-9888.

→ Miscellaneous

Nine month old cat to be given away free to a good home. Mixed black, tan and white. Already been neutered and has had all shots. Box 9118 or 274-2336.

For fast, dependable low cost car repairs, Call Patrick 255-2132. ASE certified mechanic.

Attention Seniors! Free Resume consultation this week. 8am to 2pm. Wednesday thru Sunday. Nova Rd. Sea market, Space A19. lowest! 322-2828.

NEED MONEY FOR COLLEGE? Send SASE for details to: College Financial Planning Assoc. 4311 NW 53 Ct. Coconut Creek, FL 33073. Attn: Annette Greco.

Old baseball gloves needed for under privileged kids for little league team. Please donate to ERAU Rec Dept. or call Mitch at 756-4449

Receive Flight instruction from an Embry Riddle Graduate with a CFI. Great rates call Michelle at 756-4449

Need a ride to Tennessee, or along the way? Leaving around 23 of April. Lots of room, share gas. Possible return around 20 of August. Box 5694 or 756-8941, Esther.

Twin Time Aircraft and Instructor \$70.00. Get your Multi-Engine private, Instrument, Commercial or MII! Call (904) 248-0827 MII \$420 (6 hrs A/C, 3 Ground) MII Deluxe \$1050 (15 hrs A/C, 3 Ground)

Quality flight instruction at a great price! Private, instrument commercial, BFR's and ICC's. Call Phil @ 257-9658.

CLASSIFIED AD POLICY

- Non-commercial classified advertising and personals are **free** to the student body, faculty and staff of Embry-Riddle with a 35 word limit.
- All other non-commercial advertising is \$10 with a 35 word limit. Each additional word is 10 cents.
- Commercial advertising is available through the Avion advertising department, at 226-6051.
- Classified advertising is carried out by filling out a classified ad card in the Avion office.
- Only one classified ad per card. Name and address of advertiser must be included for the ad to run.
- Only paid ads will run for two issues and may be renewed by filling out another classified ad card.
- No classified ads will be accepted over the phone.
- For more information, stop by or call the Avion office at (904) 226-6049.

Learn to fly by the seat of your pants. Learn to fly railroad Piper Super Cub available at \$0.00 an hour inc. instructor. Private, Comm., training also available. Call Jim @ 760-1630.

Get your flight training at the area's fastest growing flight school, conveniently located on Daytona Beach International Airport. All ratings and certificates administered at very competitive rates. Contact Zak Rini CFI for more info. 756-8791.

Professional Flight Instruction. Low rates, private, comm., inst., recreational, ICC's, BFR's, or just for fun. Contact Ray (CFI) at 258-3972.

Multi-Engine flight training, \$70/hr. block time, MII or initial training rating. All other certificates and ratings also available. Don 677-9730.

Give some of your time to the community. It could be the best decision you have ever made!!! Stop by the Volunteer Network or call 226-6038.

A.C.T. Corporation is seeking volunteers. Contact N. Dombrowski at 252-8026 or stop by the Volunteer Network for further information.

The Serenity House seeks volunteers. Call 258-5050 for further information or stop by the Volunteer Network.

There is an immediate need for volunteers on Saturdays and Sundays to help with recreational activities. Contact Robert Kelly/ Stephanie Graves at 258-3441 or stop by the Volunteer Network.

Sheriff's Dept. of Volusia County seeks volunteers. Contact Diane Marinaro at 736-5961 ext. 2423 or stop by volunteer network.

The New Life Recovery Project seeks volunteers. Contact Debra Legoslar at 253-7926 or stop by the volunteer network.

The Dept. of Health and Rehabilitative Services needs volunteers to spread the word about HIV and AIDS Prevention during Spring Break. Call 947-3427. Receive free training and T-Shirt.

→ Personals

Go Breakers!

To my true friend!
You know who you are,
I now realize the same,
Thanks for sticking by me
Even when I denied your existence.
That's the least I can say.
Love ya, the B. of 2nd East.

PRINCESS,
Welcome to Daytona. I'm really happy you're here. Do you think we can find sometime to "talk" tonight? I love you!!
PUZZY

BRIDGETTE SMITH,
You are beautiful. You have the most awesome body at ERAU. If I wasn't so afraid of rejection, I'd ask you out...Please reply.

HEY BOX 6845
You want some generosity! Go buy yourself a bottle of lotion and become a left handed genius.
SIGNED EMBRY-RIDDLE LADY

M.S.E.
46 more days together! I'll be lost w/out you-you have so much for me-you've been a teacher, a doctor, a counselor, a lover and most of all-a best friend! I'll miss you!
LOVE-POOKIE!

How many trucks would a Thumper thump if a Thumper would thump trucks?

HEY BABE,
I love you. I don't have much else to say, except you're such an oomabay
YOUR HONEY, ME

A thumper would thump a bumper on every truck if she got a buck for every bumper she thumped.

To the brunette in the blue jeep (from Georgia?) saw you in Publix last week Monday. How and when can we meet? Send a note through campus mail: Box 5619

TO JIM, ERIC, KEVIN (SLOTH):
Well, it looks like the "Pose" kicked your butts again! Keep try'n though, you might beat us. NOT!
PRATZY

Would like to meet bisexual female or lesbian for fun and good times. Already have a boyfriend, but would like to entertain him. Send description or photo to Box 7680.

If firefighters fight fire and crimefighters fight crime... what do freedom fighters fight?
THE BATHROOM PHILOSOPHER

MATT D.
See you at the next GALBA meeting
DEREK J.

MIKE, NORM, STEVE, BOB, BAZZ.
Wuss up!!! I am the eggplant peace!

It's no typo, Alpha Phi Delta is here!

We have national backing!

The world may never know but, then again...
MIKE!

PUSSCAT
It's not all your fault, I'm not around enough anymore and I don't play with my pussycat enough. I'll always love you.
KITTY IN LEATHER

GREEKS & CLUBS

RAISE A COOL \$1000 IN JUST ONE WEEK!
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Sunday
10 am to 4 pm
Open 7 days!

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5x10	30.00
5x15	38.50
10x10	47.00
10x15	65.00
10x20	85.00
10x25	105.00

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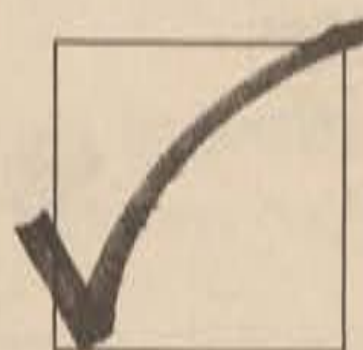
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&
Chris Hymer



Jeremy Pisell
&
Christian Smith

Vote

Crews

(continued from page B2)

but thinks of Scotland, S.D. as his hometown. He graduated with a B.S. in Engineering from the U.S. Military Academy in 1979.

Ivins, 41, was mission specialist on STS-32 in January 1990 and on STS-46 in July 1992. Ivins was born in Baltimore, Md., and obtained a B.S. degree in Aerospace Engineering from the University of Colorado in 1973.

USAF Colonel Sidney M. Gutierrez will command STS-59 with USAF Colonel Kevin P. Chilton as Pilot, mission specialists Jay Apt, Ph.D. and USA Lt. Colonel Michael R. Clifford, and previously announced crew members Linda M. Godwin, Ph.D., named Payload Commander in August 1991 and Thomas D. Jones, Ph.D., named mission specialist in February 1992.

Gutierrez, 41, was Pilot on STS-40 in June 1991. Born in Albuquerque, N.M., Gutierrez received a B.S. in Aeronautical Engineering from the U.S. Air Force Academy in 1973 and a M.A. in Management from Webster College

in 1977.

Chilton, 38, was Pilot on STS-49 in May 1992. He was born in Los Angeles, Calif., and graduated with B.S. in Engineering Sciences from the U.S. Air Force Academy in 1976 and received a M.S. in Mechanical Engineering from Columbia University on a Guggenheim Fellowship in 1977.

Apt, 43, was mission specialist and a spacewalking crew member on STS-37 in April 1991 as well as flight engineer on STS-47. He was born in Springfield, Mass., but considers Pittsburgh, Penn. his hometown.

Apt graduated magna cum laude with a B.A. in Physics from Harvard College in 1971 and received a Ph.D. in Physics from the Massachusetts Institute of Technology in 1976.

Clifford, 40, flew as a mission specialist on STS-53 in December 1992. He was born in San Bernardino, Calif., but thinks of Ogden, Utah as his hometown. Clifford received a B.S. degree from the U.S. Military Academy in 1974 and a M.S. in Aerospace Engineering from the Georgia Institute of Technology in 1982.

Freedom

(continued from page B2)

months late, and the permanent status in 2000 will represent a nine month delay.

Aldrich said an alarming rise in estimated costs, particularly in work under supervision of the Johnson Space Center in Houston, was due to management problems caused by the last major redesign in 1991, contractors charging more because of their declining aerospace business, and design changes.

"I wish I could say with certainty that we understand how the cost growth occurred and have found a simple way to prevent this from reoccurring in this or any other program," Aldrich said.

"In hindsight, it appears that the program's effort to maintain the tight schedule inadvertently increased the near-term costs and in particular

forced (the Johnson work package) to increase its manpower levels."

Aldrich said if NASA had slipped its construction milestones by an additional three to six months last fall, the overruns probably would not have occurred.

Twenty congressmen spoke at the hearing, many of them chastising NASA for the overruns.

"One constant we hear about back home is that instead of the station going up, costs are going up," said Rep. Ken Calvert, a Republican from California.

Rep. Tim Roemer, D-Ind., likened the original space station design to a Swiss army knife with a blade for each of its eight tasks. The station's requirements have been reduced to 1 1/2 tasks, he said, "and we have an open knife where almost seven blades don't open."

Rep. Sam Johnson, R-Tex., said he knows what his constituent Ross Perot would say: "Fix it."

Fluids

(continued from page B2)

The hydraulic flex hoses were manufactured by a subcontractor to Rockwell International, and the defects occurred in only one lot of hoses.

NASA officials are exploring many options concerning the launches of STS-55 and STS-56. The scheduled launch of a Delta rocket on March 18 complicates the possibilities for Columbia's launch.

The complications arise from the procedure NASA and Patrick Air Force Base follow in assigning restricted airspace to shuttles and commercial rockets launching from Cape Canaveral. No other vehicles may launch within the time where range is assigned.

With the launch of Discovery set for April 3 and everything progressing as planned for STS-56, a likely scenario would be for Columbia to launch after Discovery.

According to Mr. George Diller, NASA spokesperson at KSC, "NASA is continuing to process both Columbia and Discovery to support launches at the earliest possible date."

Porno

(continued from page B3)

he said, "I don't think it's smart, or right.... I don't know for sure who's downloading it."

Bob Peters, president of New York-based Morality in Media, would like to see other BBS operators follow Denton's lead. The group has been pushing for updating federal porn laws to specifically address computers.

"The present law is inadequate," Peters said. "Congress could prohibit the use of telephones to transmit obscenity, period.... To me, that would include communication by computers."

Peters acknowledges such a proposal would raise free speech and expression issues, but believes the needed regulation outweighs those concerns.

Such proposals alarms those who see the BBS as a unique, readily accessible forum for expression.

Carol Gnade, executive director of the American Civil Liberties Union's Utah chapter, says odds are high that the ACLU would challenge a proposal such as Peters suggests.

"The ACLU opposes any restrictions on creating, publishing or distributing materials," she said. "Any time you give government the chance to restrict this kind of material, you open the doors to all kinds of things."

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