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Classifieds.....B8 Clubs......B6 Comics.....B7 Data Technology......B3 Diversions......B4 Space TechnologyB2

McDonnell Douglas delivers 10,000th military jet

AACUmmet Douglay Press Review

Under the theme, "10,000 Jets For Freedom," McDonnell Douglas delivered the 10,000th military jet produced at its St. Louis plant.

ny, John F. McDonnell, chairman aircraft in continuing production. and chief executive officer of McDonnell Douglas, said he was number one in the defense business and we fully intend to hold that position," McDonnell said,

ceremony at the plant to U.S. Navy Squadron VFA-137 of Naval Air Station Lemoore, Calif. Accepting the aircraft were Capt. Rob manager for the U.S. Navy, and U.S. carrier, Cmdr. Michael Groothousen, commanding officer of VFA-137.

Also presented to U.S. military since 1951, when the F2H Banshee

customers at the ceremony were flew in the Korean War. McDonnell Douglas' other current production fighters and trainer aircraft, the U.S. Navy T-45A Goshawk, U.S. Air Force F-15E Eagle and U.S. Marine Corps AV-8B Harrier II. No other aerospace Speaking at the delivery ceremo-company in the world has four such

The theme, "10,000 lets For aviation history by validating the Freedom," denotes McDonnell proud of the company's past and Douglas' contribution to the excited about its future. "We are ongoing cause of securing peace through strength around the world.

The company has been producing military jets for the United States The 10,000th aircraft, an and its allies since 1945, when the F/A-18C Homet, was presented in a FH-1 Phantom flew for the first

The original Phantom initiated the age of U.S. Navy aircraft carrier jet aviation in 1946 when it became the Freedman, F/A-18 deputy program first jet to take off and land on a

McDonnell Douglas' St. Louisbuilt jets have been flown in combat

aviation well into the 21st century. The F/A-18 flew for the first time on November 18, 1978. As of today, 1,152 Hornets have been produced in St. Louis. The F-15 Eagle was built to dominate the skies and its performance during Operation Desert Storm is St. Louis. awesome proof of its combat

the aircraft carrier.

F-15Cs shot down 36 of the 41 aircraft Iraq tost in aerial sombat, including 33 of 35 Iraqi fighters.

Today's fighters, the F/A-18, F-15

More recently, the F/A-18, 11-15

The F/A-18 Hornet made naval

Two F/A-18s flying an attack

bombs, switched to fighter mode, shot down the MiGs, switched back

to attack mode, hit their assigned

The U.S. Navy has identified the

ground targets and safely returned to

Homet as the centerpiece of naval

and AV-8B, played pivotal roles in Operation Desert Storm in 1991.

and F-4 Phantom II carried out

allied military strikes on Iraq in

Operation Southern Watch.

Desert Storm.

interceptors.

The V-15E dual-role fighter flew at night and in bad weather to today. deatroy numerous Send missile

Other important military targets were also destroyed while maintaining a 95.9 percent average missioncapable rate, the highest of any fighter in the war. The Eagle will remain the U.S. Air Force's premier. Nov. 9, 1978. To date, 268 Harrier most popular fighters ever built and airframe durability.



The F/A-18 Hornet has proven itself in combat, playing pivotal roles in Operation Desert Storm and Operation Southern Watch in Iraq.

fighter into the next century.

The first flight of the F-15 occurred July 27, 1972. As of today, 1,225 Eagles have been produced in

The vertical/short takeoff and U.S. armed forces. The T-45A is landing (V/STOL) capability of the AV-8B Harrier II has made it a environment of naval aviation leader in technical innovation. The Harrier family of aircraft are the only V/STOL jets in production

International collaborative partnerships have preserved this unique V/STOL technology and have led to the development of improved Harriers, like the new radarequipped Harrier II Plus.

The AV-8B made its first flight

The T-45A Goshawk is at the heart of the T-45 Training System (T45TS), the first totally integrated training system developed for use by

Ils have been produced in St. Louis.

Student pilots graduating from the T45TS program are well prepared for direct assignment to operational aircraft such as the

First flight of a St. Louis-built T-45 took place Dec. 16, 1991. To date. 10 T-45s have been made in St. Louis.

The F-4 Phantom II is one of the

the most dominant fighter of its era.

It was the nation's front-line interceptor, fighter-bomber, escort and reconnaissance aircraft. During Operation Desert Storm, U.S. Air Force Wild Weasel squadrons flew designed to excel in the rigorous more than 2,500 combat sorties, disongaging the enemy's radar systems and other ground-based air

> McDonnell Douglas built 5,057 F-4s at its St. Louis plant.

Continuing Air Force tests have shown that the F-15 is durable enough to provide more than 33 years of useful economic service. It has also exceeded by more than 25 percent of the most stringent government requirements for

Learjet deliveries increase from December to February

Learler Phone Homese

month for customer deliveries since of Zeeland, Michigan, a large December 1983.

aircraft which included five of the newly certificated Learjet 60's, eight MA's and one 35A.

In addition, Brian Barents, Learjet president and chief executive officer, and the company had taken December and January which September.

We're not ready to call this a complete recovery, but its an indication we are headed in the right direction," Barents added.

He complimented all the Learjet the month to insure all the deliveries were completed on schedule,

Barents said, "the introduction of the Learjet 60 greatly expands our capability to provide a wider range of aircraft offering our customers greater flexibility in cabin size, comfort and performance. The line now includes the Learjet 31A, 35A. 36A, and the 60.

development will provide further expansion.

The vertical takeoff capabilities of the AV-8 Harrier has

made it a leader in innovative technology.

The first of the new Learjet 60's Learjet in January had its best was delivered to Herman Miller, Inc. manufacturer of business equipment, The company delivered fourteen office furniture and fixtures serving both domestic and international

> Herman Miller's annual sales total approximately \$850 million.

"Herman Miller's Learjet is used imarily for transporting customers a total of 32 new orders in to our sales pavilion and manufacturing facilities in included 30's, 60's and the new Grandville and Zeeland, Michigan," Learjet 45 announced last said J. Kermit Campbell, president and chief executive officer of Herman Miller.

'We feel that bringing our customers into our facilities gives us a better opportunity to build partnerships with them and to share employees who worked throughout our products as well as our philosophies and style of management."

The company has operated business aircraft since 1974 starting with a Learjet 25, then upgrading to a Learjet 35, later a Learjet 55 and Hutcheson is the chief pilot.

flexibility in bringing a client's team. Learjet simplifies the complexity of together to discuss their needs," said our client's travel and increases the The new Learjet 45 under Dawn Johnson, vice president for time that they can spend at our company's own graphic arts



Five Learlet 60s have been delivered in the month of January, making it the most successful month the company has had since the early 1980s.

"Last year, we had client visits nearly every working day and now the new Learjet 60. Clark some days the jet would bring in two different client groups. Being "Our Learjet provides an ease and located in a non-major market, our

North American Sales at Herman facilities, We see this as a critical element in the selling process."

> an overall white aircraft makes it dollars. easily recognizable wherever it

people. Learjet Inc. is a subsidiary of Bombardier Inc., a Canadian The paint design of the Herman corporation with 32,000 employees Miller aircraft is unique. Utilizing internationally and annual sales in the company's logo extensively on excess of \$3 billion Canadian

They are involved in the fields of aerospace, transportation The design was created by the equipment and motorized consumer

World Cup aerobatic competition to appear at EAA Oshkosh '93

EAA Photo Foliate

Many of the world's finest acrobatic pilots will have the opportunity to compete at the 1993 Experimental Aircraft Association (EAA) Fly-In Convention to be held July 29 -August 4, as Wittman Regional Airport will be the host site for one leg of the international Breitling Masters World Cup competition.

The unique event, sponsored by the Breitling Swiss Chronograph Company, will be held as part of the Convention's air shows on August 2 and 3. The Oshkosh event is part of the inaugural series taking place at seven sites throughout Europe und the United States.

The competitions will culminate at Miami, Fla., in November with the overall champion receiving the Breitling World Cup.

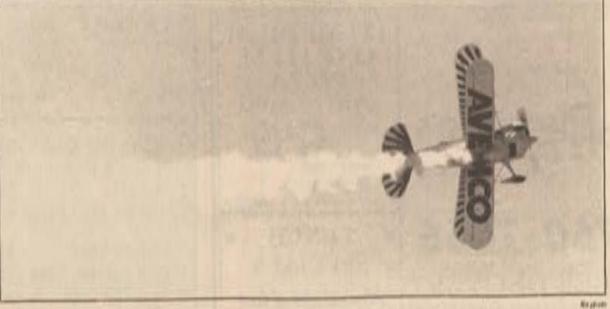
"We are extremely pleased to be

schedule," Convention Chairman Tom Poberezny said. "There have been masters-style aerobatic competitions in the past, but this is the first series of competitions ever established. It's fitting that Oshkosh, with its long tradition of drawing some of the world's best aerobatic performers, would host one of these competitions."

At Oshkosh, two programs will be flown by competitors: 4-minute freestyle program accompanied by smoke and music, and a normal freestyle program. Approximately 10 pilots will participate each day, flying some of the world's finest aerobatic aircraft.

At other World Cup competitions, participants will fly three programs, including a short unknown sequence featuring maneuvers not flown or practiced by the pilot.

At all events, competitors will be scored by an international panel of part of the Breitling World Cup seven judges, with scores displayed and will complement that competi-



A 4-minute aerobatic routine, accompanied by music and smoke, will be a new event added to each day of the Oshkosh Convention.

instantly for the spectators benefit. The series has been sanctioned by

the Federation Aeronautique Internationale (FAD, which oversees all official aeronautical records and competitions throughout the world. The Breitling World Cup series has received the same status as the World Aerobatic Championships at the European Aerobatic

tion. Top participants from the World and European Championships will be among those invited to the Breitling World Cup series.

The pilots who will be invited to participate have not yet been determined, but many of those will

likely be among the top competitors Championships to be held in Italy in

mid-June. Top American aerobatic pilots, many of whom have previously appeared at EAA Oshkosh, will also likely be invited to take part in the World Cup series.

Breitling, as primary sponsor of the series, has provided \$450,000 in prize money for the competitions.

president

ACPA Press Haleans

FREDERICK, Md. - The AOPA Air Safety Foundation (ASF) has named James W Cunningham as vice-president of Foundation Development.

ASF executive director Bruce Landsberg said, "We're delighted to have someone of Jim's experience in such a key position for the Air Safety Foundation, He is combining his love of flying with already impressive fund-raising redentials.

The Air Safety Foundation, the ndependent educational foundaion of the Aircraft Owners and Pilots Association, supports its general aviation safety education and research efforts through donations from corporations, charitable foundations and individual pilots.

Cunningham, 44, has had extensive fund-raising experience with several Pennsylvania companies and organizations.

He managed to obtain a \$2.2 million endowment fund at the Society of Automotive Engineers (SAE) Foundation. Most recentty, Cunningham worked for the North Hills Passavant Hospital Foundation in Pittsburgh.

Conningham, who assumed his new duties February 1, is a private pilot with 125 flight hours and was co-founder of the Moraine Flying Club in the Pittsburgh area. He replaces David Knight

who left the Foundation to join the Center for Marine Conservation. Cunningham has moved to the frederick Maryland area with his wife, Jennette.

A U.S. Navy veteran, Cunningham is a 1974 Cum Laude graduate of Pennsylvania's Slippery Rock University.

He is also a Certified Fund-Raising Executive.

Until joining ASF, his "Big Band" style trumpet was heard with "The Buddy Lee Band" of Pittsburgh, AOPA is optimistic about the potential Cunningham will bring to this joh.

Space Station Freedom goes back to the drawing board

By Brian Gamage **Justing Technology Editor**

President Bill Clinton, last week, terminated the present design of Space Station Freedom and urged NASA to reevaluate the station's

The president's 1994 budget request for NASA will call for more money than last year, but with provisions for the space station program and the development of new technologies.

NASA administrator Daniel S. Goldin accepted the plan, stating, It clearly reflects the President's firm commitment to a meaningful and balanced space program and the revitalization of American industry through cutting-edge science and technology development.

Clinton has directed NASA to redesign the station as part of a program that is more efficient and effective at producing greater returns on the taxpayers' investment. The '94 package provides \$2.3 billion for the smooth transition of the program to a stream-

stressed that he wanted to assure started after the first downsizing stability in the program during the occurred in the late 1980s. The transition and minimizing any potential job loss.

According to George Diller. NASA spokesperson at Kennedy

Freedom Crisis

Problem - Current station design produced too many cost overruns and would have been too expensive to operate.

Solution - NASA will probably get \$1.1 billion this year to stop current design and \$700 million for redesign.

Effects - According to the Clinton administration, the new station will cost less while producing the same valuable science.

lined, cost-effective design. Clinion Space Center, the current situation downsized station tried to maintain the same level of complexities as the larger station, but by doing this, Differ stated, the costs started to overrun.

The recent developments in the Clinton budget proposal cult for Goldin to ask the various NASA centers and subcontractors involved in the space station to reevaluate the current situation and to change the way they do things in order to maximize utility and minimize costs.

Mark Hess, NASA Headquarters apokesman specializing in the Freedom project, could not report how the \$2.3 billion will be used in the restructuring and changing. Media reports, however, point to the probability of around \$1.1 billion being used to stop the current design and approximately \$700 million being used to begin a new

"No definite numbers will be available until the final budget proposal goes through Congress on March 23," stated Hess.

Spacewalk added to April shuttle flight

By Joshua Mussaf Care Estas

The National Aeronautics and added a spacewalk to the STS-57 years to prepare for the construction

Shuttle Endeavour, set for launch in

of a series of spacewalk tests NASA Space Administration (NASA) has will conduct during the next three



Astronaut Gregory Harbaugh moves along the starboard side of Endeavour's cargo bay during a four-hour EVA on STS-54. This year's EVAs will study the limitations of astronaut mobility in space.

shuttle mission aboard the Space and maintenance of Space Station

Freedom.

The main objective of the STS-57 The additional spacewalk is part mission is to retrieve the European Retrievable Carrier (EURECA), which was deployed by the Space Shuttle Atlantis last August. Additionally, the crew will conduct research in the Spacehab module which more than doubles the amount of middeck research locker space aboard the orbiter.

In addition to accomplishing the general objectives of the spacewalk test series, the STS-57 extravehicutar activity (EVA) will allow some of the spacewalking procedures to use the Canadarm for the planned Hubble Space Telescope (HST) repair mission later this year. Those procedures involve work by astronauts on a platform at the end of the Canadarm. The arm will be abound Endeavour for grappling the EURECA satellite.

The EVA will benefit us in two ways: first, we'll gather generic data on human performance capabilities and limitations in space and secondly, we'll perform some tasks similar to those required for the HST mission later this year," said Ron Farris, Chief of the Extravehicular

see Spacewalk, page 88

NASA releases mission

By Mike Dienhart Staff /hyportar

Recently, NASA announced the selection of eleven new mission con-

cepts in the Discovery Program, These candidates were chosen from seventy-three possibilities discussed at the Discovery Mission Workshop last November 16-20. The chosen projects were those determined to have the highest chance to meet strict budget guidelines while offering the most communities scientific value.

By using proven, off-the-shelf depth are: technology, Discovery missions proceed from development to flight within three years.

These missions represent a bold new way of doing business at

Dan Goldin. He continued to say that the way planetary science is carried out will be revolutionized by the Discovery Program.

Exploration Division, Dr. Wesley T. Huntress, stated, "the Discovery Program is probably the most exciting new initiative in planetary exploration." Due to lower costs and quicker turnaround times these missions will allow greater participation from academic and aerospace

The concepts to be studied in

The Mercury Polar Flyby will complete the photo reconnaissance of the planet while studying the polar caps.

The Hermes Global Orbiter will

NASA," said NASA Administrator use remote sensing techniques to study the surface, atmosphere and magnetosphere of Mercury.

The Venus Multiprobe Mission will distribute 14 small entry probes Director of NASA's Solar System over a bemisphere of Venus to gather data about winds, temperature, and pressure.

The Venus Composition Probe will determine the planet's atmospheric structure and composition during a daytime parachute descent.

The Cometary Coma Chemical Composition mission will conduct 100 days of research after rendezvous with the nucleus of a comet at peribelion.

The Mars Upper Atmosphere Dynamics, Energetics and Evolution Mission will study the upper atmosphere and ionosphere of Mars.

see Missions, page B8

The edges of science... Wormholes could shorten space travel time

By Arie Moller **ERSET PRODUTER**

In last week's installment of The edges of science.... wormholes were described. In brief, a wormhole is a 'tunnel" through space-time.

There are two types of wormholes, the interoscopic and the macroscopic. In this second installment of a three-part series on wormholes, the wormhole as a short cut through space is explored as well as the importance of microscopic wormholes to theoretical

We will start off with the microscopic, Microscopic wormholes could help theoretical physicists finally come up with a theory of quantum gravity that holds water. The importance of a quantum gravity theory is immense. Gravity has been the thorn in the side of the G.U.T (Grand Unification Theory) researchers.

In short, G.U.T.s are attempts at unifying all of the known forces of nature from nuclear forces to gravity. This could possibly be the topic of a future installment of The edges of science.... Quantum gravity would play a major roll in the understanding of our universe.

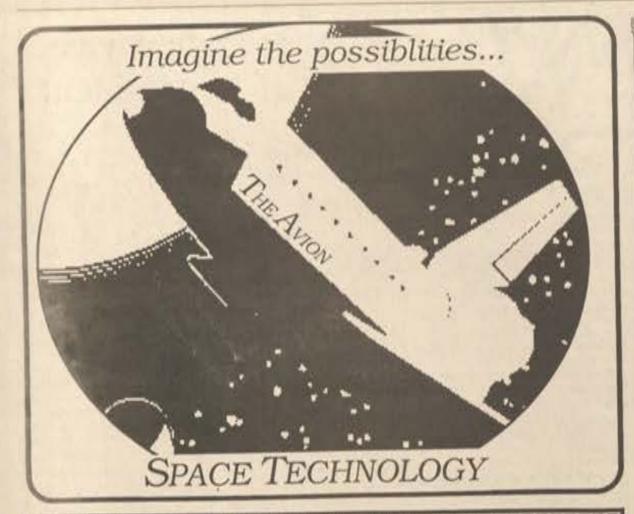
For purposes of practical space travel, though, microscopic wormholes are useless. Fortunately, all is not lost. Macroscopic wormholes could provide instantimeous travel to the fur corners of the universe.

Macroscopic wormholes, if stabilized, could be used for space travel,

of light could not cross through the entrance of the

What would be involved in stabilizing a wormhole? It turns out to be quite a lot. First problem is that theoretically, macroscopic wormholes would fluctuate between the open and closed states at such a remarkable speed that even a craft moving close to the speed

see Wormholes, page B8



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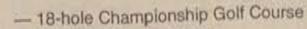
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Attention all armchair stunt pilots

By Ronald Hess Data Eachnology Estar

Have you ever watched a movie with exciting action sequences and think to yourself, "Boy, I wish I could do that?" Well now you can,

Diancy Software has released a program that provides personal computer owners with the ability to fly. film and edit 20 minute stunt films, This combination of flight simulator. stunt direction and production is wrapped in the single package Stunt

Stunt Island is a "virtual" world. The manual states that the program reproduces a small island located off the coast of Southern California. The island was a private place where hazardous stunts could be performed and filmed without the necessity of pre-filming logistics.

The program begins outside the production center. From here you can access the airfield, set design, stunt coordinator, post production or the ferry leaving the island. Selection is made by a cursor driven by joystick, mouse or keyboard.

Selecting the airfield allows you to choose from over 30 different aircraft to fly around the island to. "examine potential stunt sights." The available aircraft range from military airplanes to general and commercial airplanes.

The military aircraft vary from World War I to the present (F-117A) and future (B-2.). Stunt Island provides foreign aircraft from different eras for dogfighting stunts. Commercial and general aviation includes the 747-400, C-172 and the Learjet 60, If you get bored with these airplanes then try flying a hang glider or a Space Shuttle. If you are still not impressed, then perhaps you would like to fly a duck or ptero-

Touring the island, you will notice that Stunt Island provides many diverse locations for filming stunts. Physical locations include canyons, forests, jungles, lakes, capabilities of the computer. Once rivers, reservoirs and mountains. A the film has been edited, then next

been strategically placed around the island. These structures include the USS Angeles (aircraft carrier), Alcatraz, St. Andrew's Castle, Jersey farms, power plants, oil rigs, air ports, cities, the Pan-Am building, the United Nations Building, Stonehenge and many others.

If you cannot find exactly what you want, then you can construct your own scenes from a list of props which include flora, fauna, structures, military equipment, vehicles and production equipment.

From back at the airport, you can travel to the set design. From here you have birds eye view of the island. The set designer allows you to place cameras and props for your

This is perhaps the most complicated portion of the program. I found it tedious to place props and set up camera shots for the stunts, It simply takes practice and many attempts to fine-tune the perfect

A few pre-designed sets are also provided. Once the location has been selected and the set designed, the next step is flying and filming

you designed. The options include uct. the next take, returning to the set designer or printing the film. Selecting the take, places you in the cockpit at the previously designated location. You simply fly the stunt. The cameras have 20 minutes of film to capture the stunts. If you like what you did, then continue by printing the film.

Post production is an interesting portion of the program. The screen diversion to the difficulty of creating screen has options for coordinated is an synchronized editing deck. From here, portions of film from eight different possible camera sights can by clipped and pasted into the final film.

Sound effects, music, color, speed, fading and credits can also be added to the final film. The use and availability of music and sound effects depends upon the sound few man-made objects have also stop is the theater, where you and



If you've ever wanted to coordinate your own stunts, but just could not financially afford the endeavor, then this program is for you. Stunt Island is a combination of flight simulator, set designer, stunt producer and film editor.

You now appear on the set that your friends can view the final prod-

'Stum Pilot of the Year" competition. This is a series of pre-designed based upon performance in flying affects into films,

flown, points are tallied and a winner is selected. It is a unique twist to the program. It provides a nice time to get used to. A preference your own stants.

and a 486dx-50. The faster computer provided smoother flight and faster reaction time in every aspect, as was expected, but the 386 did hold its own. The Software takes full advanbeyond 2 megabytes of RAM. The program is compatible with Stacker, but the program has numerous yound

A sound card is a must for this program. The Sound Blaster is the The program also comes with a most preferred eard for playing the music, sound effects and speech. If you own a Sound Blaster you can stunts to ffy. Points are awarded import your own music and sound

The program accepts most all Once all of the stunts have a been input devices. I used a mouse, which made selection and editing simple. Flying with a mouse takes some ailerons and rudders and auto-cen-I ran the program on a 386sx-16, tering. The auto-centering is designed for mouse and keyboard pilots. This allows for more accurate

I highly recommend this program. It is not exactly a game, but is an tage of any expanded memory interesting piece of software. The software designers have expanded on a unique concept. The software can be found at any local computer and graphics files that are incom- software supplier. The price is approximately \$40.

H-P posts lower profits in first fiscal quarter

PALO ALTO, Calif. (AP) as revenue rose 18 percent.

For the three months ending Jan. 31, Hewlett-Packard earned \$261 million, or \$1,03 per share, down from \$302 million, or \$1.19 per share, a year earlier,

Revenue rose to \$4.6 billion from \$3.9 billion in 1992.

Analysts said the first-quarter report was still better than expected. They noted strong orders for Hewlett-Packard products particularly from overseas.

"Our revenue growth was strong, and earnings were good, even though they were lower than those of our outstanding first quarter of 1992," said Lewis E. Platt, president and chief executive.

Orders for the quarter were a Hewlett-Packard Co., a leading record \$5.2 billion, compared to maker of scientific measuring \$4.2 billion in the same period last devices and a growing power in year, the company said. Orders in computers, said its earnings fell 13 the United States grew by 18 percent percent in its first fiscal quarter even and international orders shot up 28

"Our challenge is to turn strong order growth into higher profitability," Platt said.

Hewlett-Packard, traditionally a maker of scientific, medical and engineering testing and measuring instruments, has moved in recent years to stake out a position in the booming computer and computerperipherals industry.

It is now "the fastest growing major computer company," said Bob Herwick, an analyst with Hambrecht & Quist in San Francisco.

"The big engines of growth (for H-P) are the printer business, which

see H-P. page B8

Intel delays intro of new micropocessor

SAN FRANCISCO (AP) - Intel sistors on a single slice of silicon Corp. will delay the introduction of its long-awaited Pentium microprocessor for about two months, according to a published report.

The semiconductor giant had been expected to unveil all remaining details about the powerful new chip in March, and computer makera were expected to announce new products based on it at the same

Instead, Intel won't announce the price of the Pentium until May 20, the San Francisco Chronicle reported in Saturday's editions. The newspaper cited a letter the Santa Clara, Calif, company faxed to customers this week:

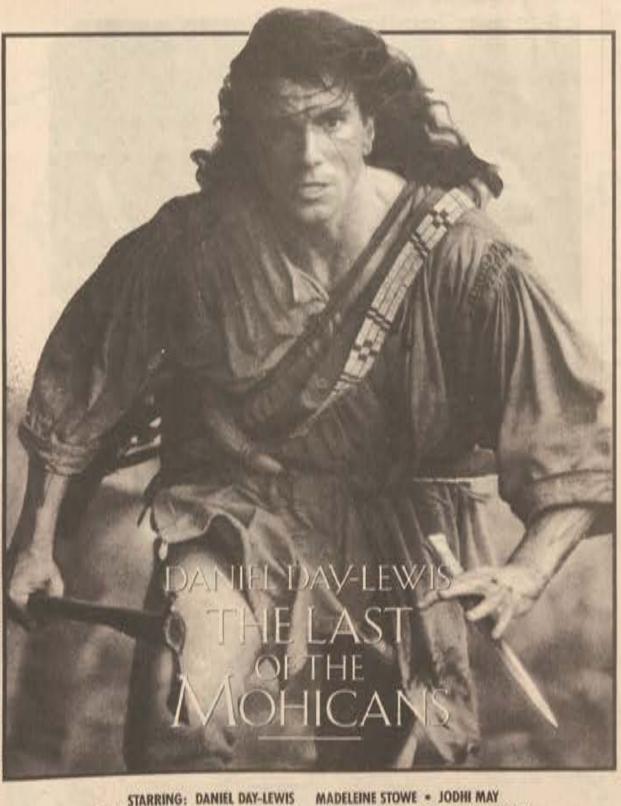
The company on March 22 will disclose technical details about the chip and announce limited shipments to computer makers, the Chronicle said. The new Pentium inicroprocessor, or personal comput- demand that can't be met," an Intel

Such an intentional delay is unusual in the computer industry, where most companies rush to get products on the market as fast as they can before competitors can outflank them.

But Intel currently has no real competition for its current flagship product, the 486 chip, which should be more profitable than Pentium in the early months of production, said Dan Klesken, an analyst with Robertson Stephens & Co.

Several large computer makers. who want to keep profiting from high demand for 486-based computers, reportedly urged Intel to change its schedule, the Chronicle said.

"Having the introduction in May will allow the systems manufacturers to roll out their products in an orderly fashion, so you don't have er "brain," will pack 3 million tran-spokeswoman told the newspaper,



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11:00	Wednsday	Thursday	Friday
	Chris Rodecki Rock	Matt Wood Rock	Adam Cerny Vampire Music
11:30	Comments.		and the same of
12:00	Tom Simms Country / Rock	Dave Rohn Joe Murray Alternative	Carrie Cz'ski Cris Parker 80's
	Arron Gee Classical	Todd Gumbrecht 60's	Mike Hoppin Southern Fried Noise
12:30			
:00:	Dave Conz Disco/Hardcore	Joe Perrino Heavy Metal	Ken & Dan Variety Show
200	Steve Graff Blues/Classical	Trevor Forrest Reggae	Todd Hunt Alex Britton Pink Floyd
1:30	Jason McGarrough End of lunch mystery meat	Dave Parsons Old Rock	Rich Ford Greatful Dead
2:00			

Local car show featured many unique and classic cars this weekend

By Jaylin Billig Diversions Editor

Anyone who has ever owned a classic car knows the fever you can get from it. By owning a classic car, you are instantly put into an elite

group of drivers. Talk to anyone who drives one and you'll find out just how completely the fever takes over. There is a sort of friendly rivalry between classic car enthusiasts, but beneath it lies an intense loyalty to the whole genre of old cars. As one of this group, I am constantly seeking out

of finding and talking to others who rods to just to see the show. love the car hobby as much as I do.

There is really nothing to compare with going to one of these shows and seeing some of the most beautiful cars ever made.

view many different and interesting show cars. A great diversity of cars was represented, from mint Chevys and awesome Fords to wonderful Dodges and, yes, even a radical Volkswagen.

In all, about forty-five cars and trucks were entered in the show, and



The second-place trophy went to this beautiful red 1970 SS Chevelle owned by Patty and Randall Fort.

Some of the more interesting vehicles showcased included a 1991 Chevy \$10 which had been turned into a very detailed hearse.

This truck, owned by Tom This weekend at Volusia Point Maccio, has won many car shows Shopping Center, I got a chance to lately, including 1st place mini truck at the Sun Bank Car Show and the Cruisin Concepts Car Show.

Also showcased were two Chevy Chevelles that had gone through ground-up restorations. Everything on these cars had been taken apart and redone. The result was two truly stunning cars. There were also several beautifully done classic Ford Mustangs at the show, including a classic Shelby Cobra and a Mach 1 that looked like they just came off the showroom floor.

A pearl-red 1991 Mustang was also there, with a tricked-out paint job and several modifications that made it a head-turner.

Many of the restored classics entered in the show had complete documentation of the restoration. More than a few people had taken photos of the car during various stages of the restoration showing how the work was done.

It was amazing to see these cars go from junkheaps to jewels. I was more than a little jealous, because my own classic Mustang bears little resemblance to these cars.

Perhaps the most unique car in the show was a VW Bug owned by -

Jason Thomas. He took a stock Bug and cut one third of the body out of the middle, making it thinner by about 2 feet. The motor and traasmission are the same, but the car is now a one-seater. The Bug has won two best-of-show trophies in his first two shows. Jason goes to DBCC, so expect to see him and his one-of-akind car around Daytona.

Most of the people who entered their cars in the show are members of the East Coast Cruisers, a car club that sponsors many local shows and

One only has to have a quality car to be eligible for this club. They meet every 1st & 3rd Friday of each month at the Hardee's in Edgewaterand every 2nd & 4th Friday at the Hardee's in Port

Anyone is welcome to come to award the meet and check out the cars or to show off their own. These people love to talk cars and enjoy seeing new faces.

Pat Teehan, the president of East Coast Cruisers, handed out door prizes, trophies for the six best cars in the show and a best-of-show and Chuck and Regina Johnson's

This radical Volkswagen owned by Jason Thomas was just one of the many unique cars entered in the show.

The winners for the six best cars were as follows: Paul Sudak's Chevrolet Coupe, Jim and MaryLou Scriba's Ford Street Rod, Patty and Randall Fort's 1970 Chevelle, Alan Holland's Ford 2-door Sedan, Randy Corson's Chevy Chevelle

23 Ford T-Bucket.

The best-of-show trophy went to Roger Bonnvelle's '34 Chevy Coope. These were all great cars and the whole show was a success.

In all, I was glad I got a chance to go to the show. Just checking out what others are doing to their cars got me thinking about what I'm going to do with mine. I don't know if I'll ever be able to restore the Stang enough to enter it in a show, but it sure would be nice to drive around in a car even half as beautiful as the ones I saw this weekend. It's like living a little piece of hot rod

ill to censor erotic music is back in the Washington state courts

seeking to rectify constitutional problems with the state's crotic offending recording must be labeled tional, saying that the wording is music restriction law ran into a strong opposition from both the prohibited to minors. music industry and the American Civil Liberties Union.

judge to declare that a particular recording appeals to minors' prurient

standards. If the judge agrees, the

label and restrict the recording's safe The law enacted last year would could be fined up to \$500 and sennew bill.

However, King County Superior

[Judge] Brucker's ruling is now on appeal and is scheduled to be argued before the Supreme Court...

OLYMPIA, Wash. (AP) - A bill interests and offends community. Court Judge Mary Brucker last October declared the law unconstitu-"adults only," and the sales vague, causes record stores to have to censor themselves and might be Any music dealer who refuses to chilling to the artistic instincts of many musicians.

Brucker said the measure was allow a county prosecutor to ask a tenced to six months in jail under the vague because, if a judge in one county declared that a piece of music appealed to the prurient interests of minors in that county, the music could not be sold to minors anywhere in the state. But the law offers no mechanism to alert others. to the ban, she said.

Brucker's ruling is now on appeal and is scheduled to be argued before regulations proposed by various

Stu Halsan, representing the Recording Industry Association of America, urged the committee to delay action on the bill

(Owning a classic car) is

like living a little piece of

hot rod history.

the Supreme Court late this year.

The remedy contained in the bill, named HB1422, would require that county prosecutors print, in the Washington State Register, the names of recordings that had been declared not fit for sale to minors.

The Washington State Register is published twice a month and mostly contains the text of new or amended

administrative agencies,

"We don't receive the register," complained Robert Carpenter, who identified himself as a musician, a Washington Music Industry third Coalition Carpenter and many others testified Friday before the House Judiciary Committee on the proposed bill.

Stu Halsan, representing the Supreme Court has ruled on the bill.

Recording Industry Association of America, urged the committee to delay action on the bill until the Supreme Court had heard arguments and handed down a ruling on the

You should wait until the appellate action is complete before tinkering with the law," he said.

ACLU lobbyist Gerard Sheehan called the bill "terribly premature producer and a member of the and an insult to the judiciary, the branch of coequal government.

> He, like Halsan and several others, urged that the committee decline to take action on the bill until the

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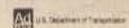


Ever Get Somebody Totally Wasted?

TAKE THE KEYS CALL A CAB TAKE A STAND



FRIENDS DON'T LET FRIENDS DRIVE DRUNK



The Crying Game has plenty of plot twists and surprises for all



McGrath Movie

The Crying Game

Starring: Stephen Rea Jaya Davidson Forrest Whitaker Miranda Richardson

Rated:

Rating:

Length: 1 hour, 50 minutes

Playing: UA Cinemas 4-9

I am sitting, as usual, in my room, waiting for my roommate to give me the idea for this week's review. Everything was quiet until he mentioned the magic words: blind date.

He had apparently secured some kind of get-together over the telephone. He was going our with this girl and all he knew about her was that she had a voice.

I am a pessimist and all I thought was that he was in for a surprise.

No, it's not the kind of surprise you get when you open your in this one.

Cracker Jacks and find water soluble tattoos. It's not even the surprise you get when you find out the burger of the month looks worse in

This surprise is far more lifethreatening. This girl might have even try to look for them, I guaranthree chins, two noses, a limp when she walks, make funny noises with her armpits and a fetish for car mechanics named Raul.

The point is that blind dates are full of surprises like that, But, you ask, what does this have to do with this week's movie, The Crying Game? It has plenty to do with it. The Crying Game has one of the biggest surprises you'll find in any movie you'll ever see,

The Crying Game stars Stephen Rea, Jaye Davidson, Forrest Whitaker and Miranda Richardson.

The Crying Game is sort of a war movie, with a little drama thrown in for good measure. Rea and Richardson are two IRA members who kidnap a British soldier played by Whitaker.

Rea and Whitaker develop a sort of friendship during the ordeal. One thing leads to another and Rea agrees to visit Whitaker's girlfriend, Jave Davidson.

The movie was advertised as a kind of thriller, but it was more of a character study. These are no long action scenes or even a complex

Instead, there are dialogue oriented scenes which show you the thoughts and personalities of the characters.

With the help of writer and director, Neil Jordan, the actors show each character in a direct manner. There are no flashy actors

Brilliant performances, excellent writing and ... foreshadowing are just some of the positives.

I am not going to ruin the sur-

prise ending by revealing it. Jordan, however, provides several subtle hints that give it away These hints are so subtle that

most will not eatch them. Don't tee you won't find them. The harder you look, the less you see.

The Crying Game has been nominated for the Best Picture Oscar. Not many people believe that it should be in this category.

I am not one of those people. This is one of the most original movies I've seen in a long time.

All the actors provide outstanding performances that just add to the overall success of the film.

Every aspect of the film was well thought out and presented effectively. It may not win the Oscar, but it does deserve a nomination.

Overall, The Crying Game is a good movie. Brilliant performances, excellent writing and subtle foreshadowing are just some of the positives.

If you are in the mood for a good movie with a shocking surprise, The Crying Game is for you. It you want a movie with no surprises, I think there is another Ninja Turtle movie on the way.

If you happen to see a girl limping around town with a somewhat unique complexion and carrying car magazines under her arm while playing the theme song to Deliverance under the other, tell her my roommate wants his favorite pair of boxer aborts back He says it's next to her bed.

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

Two new and talented comic artists bring 'Dave' and 'Bound & Gagged' to the Avion

Tritum Mircle Services

Two new cartoonists have brought their comic strips to the Avion newspaper, "Dave" and Bound & Gagged' are the creations of David Miller and Dana Summers (respectively).

David Miller is the creator of "Dave," a fresh comic strip about the twenty-something generation that all geocrations can relate to. David's hip humor, minimalist text and understated art set the strip apart from other lending comic atrips.

Miller grew up in Haworth, a imall town in northern New Jersey When I was a kid, I was uncomfortable-like I didn't fit in my own skin. But drawing changed all that. When I drew, I felt good. By high school, I had a daily habit," said Miller.

Monica, where he works as an assis- Herald.



David Miller

tant storyboard director on Saturday morning curtoons.

Dana Summers is a successful political cartoonist and comic strip creator of "Bound & Gagged."

Summers has been an editorial cartoonist with The Orlando Sentinel since 1982. Before that he worked as a staff artist for the Fayatteville Times and as editorial Currently, Miller lives in Santa cartoonist for the Dayton Journal



Dana Summers

His Incisive cartoons have appeared regularly in the New York Times, The Washington Post, Time and Newsweek.

A graduate of the Art Institute in Boston, Summers began his cartooning career as a free-lancer for weekly newspapers in Massachusetta.

He has won awards from the Overseas Press Club and the Sigma Delta Chi Society of Professional

D-Influence releases their new album titled Good 4 We, which is a funky upbeat soul kind of sound

By David Gass

Stat Willer

Eastwood Records America has released D-Influence's new album Good 4 We. This tape consists mostly of funky upbeat soul music.

The first track on the album is called "Good Lover." This song has a funky beat that you can shake your rump to, and I believe is the best song on the album.

"I'm the One" doesn't have many lyrics besides the lead singer repeating "I'm the One." The song does have some nice background music, though:

Funny [how things change]" has a slow rhythm but is easy listening to the ears. The song does pick up a little in the middle to make the song worth listening to.

"Good 4 We" is a mellow but upbeat song that has a good beat to it and I would consider it almost as it. The background music is quite nice as well

singer does a great job singing this on your stereo system. ong with a mellow mood and it is



D-influence promises to be a great new funk band. very relaxing to listen to.

"No Illusions" has a good beat to good as "Good Lover." "Sweetest Things" has some good bass to it The first song of side B is "Far and awexome background music. You I Sing this Song." The lead. It's a very good funky song to play

The last song on the tape is called

Sign." This song is decent and is a little slower than some of the other songs but has some nice harmony between the vocalists.

Overall, the tape is good. It's worth listening to, even if you're just looking for some funky music to pop in the sound system and crank



By Bill McDermott

FRISISISET

Greetings to all brothers and pledges of Sigma Phi Delta. I have experienced just how cruel the newsmedia can be. For the past two weeks, my articles have been edited out of the Avion. Well, I am personally going to make sore that this article will be included in the paper, I've put up with being edited out for two weeks now, and I am not going to stand for it anymore.

Anyway, on to the business of the week. If last week's article had been printed, you all would have read a thrilling account of our last softball game. Congrats can go out to brother Frank Quinto, who went 3 for 3 with I RBI. Second baseman Cliff DuVernois went 2 for 3 with 2 RBIs. It was an all around great performance, goys Ler's see if we can do even better next game, TEAM SPUID is now 1 and 1, things can go either way at this point, let's hope that at the end of the season there are a lot more W's than L's.

By Krissy Kopecky Minhber

Saluations! Another week, another article. I need to make a correction concerning the departure time for the NAS Mayport trip on the 27th (Saturday) We will be leaving at 9:00AM instead of 10:00AM. The extra hour is allotted for time to eat, or in case we should get lost in Jacksonville. We will be meeting in the parking lot south of Spruance Hall, adjacent to Clyde Morris. Please be there on time.

There is a group going to the Daytona Beach Sun Devils hockey bring your friends,

By Tore Gudroed Markussen

Heat

Greetings and Salutations Brethren! Yes, It has been too long since we last mes. In preparing to be met was that Per and Jeff would write this article, Brother Linus have to be put in their respective dropped by to chat about his past cages, gagged, blind folded and have visit to Toronto. He brought back fried bologna stapled to their forestories of high adventure adding, "I heads. After acknowledging with a holdly went where no mortal has hand shake, Chris stated, "We would gone before," Some of his many even disband the chess chib for this adventures included Beaver hunting joyous occasion," Furthermore, and trapping the deceptive big. Chris said, "I would even send Matt breasted suntchapus. Although his Kuhn to the girly-mon camp of efforts were admirable, his plans unwed social rejects to learn how to Sunday. From what I have been told. were foiled by a herd of 24 rampaging moose. Although he wasn't keen on the idea of spending the five hour by blowing smoke signal out of an mouthly "Movie night." This montrip back to Daytona alone, he was delighted to find Getty Lee sitting in the window seat next to him. After a delightful conversation, Chris asked if he may exchange seats with the singer from Rush. "Be my guest," sent!" After unbibling an enormous ANM

promised to swing on by and party with the Pi's next time in town. There was, however, one stipulation to the agreement. The condition to smoke and learn how spell correctly ence! Tonight's meeting will be our undescribable orifice of his body."

Founders Day Semi-Formal, fol- advisor, Dr. Erickson, highly recomlowed by the Toga Party on mends viewing this educational Saturday. For all the Graduating series. There will be refreshments Seniors, sixty days left and counting. served, but Stephanic assures me exclaimed Mr. Lee "I didn't even Finally, this weeks word scramble is that there will be no popcorn. The know I was unting in the window as follows: OWDPREEDP STTAO meeting begins at 7:00 p.m. tonight.

By Kelly Watkins

Thetaville News Bulletin

successful bonfire is under our belt. I must say it went fairly well, not too

many bitches and diversions from our original plans. But then, when you're working with Greeks, you have to expect SOME problems to

prise, Ha. Ha.

enjoyed our Theia Phi traditional bonfire. We would like to thank everyone for their cooperation, but a special manks to Delta Chi for use of your house, and to Tom (Flinstone) for keeping everything as hush hush as possible - you've got a great zipper (on your month, that is!) And to AHP: if you think you through, know everything, just wait till next

time, we'll make sure we get you double

Thank you, Alicia, for the use of your house. Also to the pledges for gathering wood, and for clean-up. Congratulations, girls! Another I'm sure Sarah appreciates someone else being responsible of that for a change. Hey, Ellen, how much fronble did we get into this time? Did we do better, or worse this time? I guess it's kinda how you look at it, isn't it?

Pledges, how did you like you adventure last week? Erin had it Anyway, we hope everyone MUCH too easy, Jidn't she, Meg? At least now you will all know what we are talking about when you ask us to tell you one of our most embarrassing moments.

> How many sorority girls does it take to screw in a light bulb?

> Answer: ten. One to screw it in, and nine to hug her when she's

Have a good week, girls.

By Jason Piper

Helitari

Well another busy week for the brothers. The best part of all is that the track is over for another year. No more slinging beer for this year. We week. I'm sund you are all mourning blast. this decision.

though. Coach P on't going to let up when it gets warm!

at all. Immediately following the softball game, some of us played football against Sigma Chi. It was a excellent, dust filled, hard nosed game. Despite our squawking about stupid calls, everyone had a great time. Another game is being discussed, maybe we'll invite alumni to aren't going to be working bike play this time. Anyway it was a

Macko will write the article next We won our softball game on week like he's supposed to. Keep in Sunday, we still need to practice mind the waterskiing trip coming up

I hope all the brothers enjoyed

their 3-day weekend. It was really

nice to have a break from the stress

and strain of academic life here at

Riddle, Well, our next official vaca-

spring semester is a tough one, so

you may think. You guys are in the

midst of what will be one of the

greatest experiences of your lives.

the fraternity should be the next

thing on your list of priorities.

College is a tough road to travel, and

week. Keep your spirits up guys, we

can all survive yet another week

here in this semester from hell, Just

think of it this way. Spring Break is

just a few short weeks away. I know

game on Thursday, February 25th.

The game is at the Ocean Center and

begins at 7:30PM. We are getting a

group discount so if you would like

to go, get your name on the

Once again, meetings are on

Tuesdays at 5:30PM and Executive

Board meetings are Thursdays at

5:30PM in Spruance Hall conference

quantity of airplane bottles full of

Beam with the rock star, Mr. Lee

room 206C. Everyone is welcome,

would appreciate any input.

we can all make it until then.

See ya!!!

IBIL..TODAY!

By Amie Tavanese Public Affairs Officer

The Kenneth L. Tallman tion is not until April 8th, so hang in Squadron of the Arnold Air Society had the fortunate experience of I'd like to take this time to wish learning from a former ERAU gradpledges Joel Thompson and Steve unte on financial matters on Criz good luck in their studies. The February 9.

Michelle Martin, a consultant keep your heads up, it's not as bad as with Shearson Lehman Bros, Inc., graduated from Embry-Riddle in the Spring of 1990, Ms. Martin spoke to the society about initial investment Academies is vitally important, but techniques

According to Ms. Martin, investing can be broken down into three main categories: 1. Safe Money: 2. you should think of Sigma Phi Delta Long Term Investment; and 3. Over as a friend to help you along on your the Counter (OTC). The "Safe Money" category includes savings Well, that's about all for this accounts, checking accounts, CD's, money markets, municipal bonds and anything that is low risk. The Long Term Investment category includes Blue Chip Stocks, Mutual Funds, IRA's and anything that 20 Years). Finally, the "Over the can about managing their money!

Counter" category includes high risk

Ms. Martin suggests not to play around in this category until you have enough money that you can afford a loss.

As college students, it is difficult to even make those credit card payments, let alone do investing, however, Ms. Martin expressed that it is possible to invest while in school.

Ms. Martin began investing back in high school under the direction of her father, even though that wasn't really what she wanted to do with her money. Ms. Martin now says that she is thankful to her father for making her save and invest her money early! Through her investments, Ms. Martin was able to pay her last year in school here at ERAU. She said that investing can start with as little as \$25 a month.

The squadron was very interested in learning from Ms. Martin as there are a lot of seniors that are about to become Air Force Officers in April involves the long terms (i.e. 5, 10 or and need to learn as much as they

By Stephen R. Harvey

Tonight, at 7:00 p.m. in the

Library Conference Room, AAAE If anyone would like to contribute will be hosting Mr. Jon Haag, to the ERAU SAA article for the Manager of Planning and District III newsletter, please contact. Development at the Jacksonville Brian Colaluca or Krissy Kopecky. Port Authority. He will be speaking the AAAE come on out and give us We will be writing it soon and to us on his roles and jobs as a atry!

Strategic Planning Manager at the Port Authority:

On March 5th we will be traveling to Jacksonville Airport for a V.I.P. tour of the facilities! We will be providing transportation for all who would like to attend and will be leaving ERAU at 1:00 p.m.

If you're not already a member of

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 copy.

For more information stop by or call the Avion office at (904) 226-6049.

Aerospace Society

By Joshua Mussaf

stomach the smell of cigarette it was an out of this world experith's movie selection is from the Don't forget, this Friday is the Space Age series by Nova. Our

Space Week is almost here Space

Week will run from March 8. through March 11.

Space Week Committee chairman Thanks to all the members that club member or any student or staff ent with us to Space Camp last member that has any models, posters, patches, photographs or any other memorabilia that is space know so your display can be included in our presentation.

Upcoming events include our annual astronomy night with Dr. Fleck on March 10, a visit by Astronaut Eileen Collins on March 17, co-sponsored by the Aerospace Society, a trip to the Daytona Beach Planetarium, a McDonnell Donglas speaker and a trip to Blue Springs.



Cadets Tod Holburn, Robert Washburn, Jason Miller, Marnie Rapp and Phill Dawson perform a flag presentation ceremony to perfection at the Dayton 500.

Army ROTC

By Cadet Jaye Howell

Public /Intelligies

The Eagle Batallion was again granted the privilege of performing in the opening ceremony for the Daytona 500. The largest race in the stock car series.

The detail consisted of two parts. Cadets Tod Holburn, Robert Washburn, Jason Miller, Marnie Rapp and Phill Dawson, These cadets were under the command of Cadet Powell Trusler. This group performed the presentation of the Pollock

colors in front of several thousand people. The second group of cadets poisted a second flag to the top of a pole located on a tower behind pit

The color guard also performed several other ceremony throughout mce week. Cadets performed for the Bush Clash, Twin 125s and the Goody's 300. Cadets performing in these performances were Juan Reyes, John Tubb, Eric Elkins, Michele McKenn, Robert Tiedemann, Chad Kinear and Jared

Eagles Flight Team

By Michael A. Campbell AMICSMI

If you've been having trouble sleeping lately, you can blame it on the Engles Flight Team, You sec. those terrified whimperings off in the distance you may have been hearing at night are coming from the flight teams of all the other schools across the country who know they're going to have to face Embry-Riddle at the 1993 Nationals in Killeen,

The University of North Dakota. Ohio State, The Air Force Academy: they all might as well just change their names right now, because come Nationals, they're going to be thought of in slightly different terms. Has-Been University, Also-Ran College, Dog Meat State. You get the idea.

You really can't blame those other teams for being worried about going up against the Embry-Riddle Eagles

By Chris Hildebrandt

Public Retallone

race fans disappear and the bikers begin to appear for Bike Week. The beaches are becoming more populated with all the visitors from up north. The paleness of the beach goers nearly blinds you as you enilse around looking at the sights.

the track over Valentines Weekend. clue and start coming around

though. Remember when one of those obscure little European or South American basketball teams would have to play Jordan. Barkley and the rest of the Dream Team in the Olympics? That's what Nationals

is going to be like. After winning the National champienship last year in Monroe, LA. and dominating the Region 9 competition this year at DeLand, the Pagles are ready to defend our title, and are looking forward to being crowned National Champions for the second straight year.

So to all the students, faculty, staff, administration and alumni of Embry-Riddle; thanks for all your support. Keep it coming, and get ready to cheer for The Eagles again! And to all those other flight teams out there getting ready for Nationals....Wear comfortable shoes. You're going to have a long walk home

WIN TEXAS!

Another week has gone by as the

Thanks to everyone who worked

The Daytona 500 was awesome. I'm sure everyone had a great time there, I did, especially waiting in the traffic ams after the race.

Valentine Weekend's parties went great. Thanks to everyone whoshowed up. Jay and Dan, you aredoing an excellent job at the bar, Keep up the good work.

To all of the pledges that don't think it is that important to make yourself present at all of the activities and at hinch, you better get a

Riddle Riders

By Rob Sternisa

Vice President

Speed Weeks have come and gone and Bike Week '93 will be here in a few days. It's amazing how easily a pack of motorcycles can move through town with such ease while the rest of Daytona is in gridlock! The one day that the Riders had planned on leaving town to avoid traffic (Daytona 500 Sunday) was the one day that our weekly ride took us to Main Street, the Pier and a walk along the boardwalk. A quick ride through Tomoka Forest foltraffic.

Congratulations are in order for Mair Devino is requesting that any those who braved the elements to ago Club members Bret Schaller, together is in the form of weekly related, please let any of the officers away with everyone placing within that destructive, and besides, most of place trophy in an extremely under-

powered finish. We are still looking for students who would like to earn some extra spending cash (\$4.50/hr) during Bike Week. There are a few slots open in three hour shifts to work at

as much fun as last year. The work entails selling T-shirts and souvenir pins and meeting people from all over the world. This is definitely an unforgettable experience!

Due to Bike Week festivities, there is no ride planned for this Sunday. We have left this more or less as an open day for everyone to do as they please. Don't forget that next week's ride will be the annual bike parade from Bellaire Plaza to the Daytona International Speedway. Wewill be meeting carly to get a good place in line. Check best week's Avion for details. Also, keep an eye on our display case across lowed and we still missed all of the from the SGA Office for a list of daily activities around town and the

A note of correction from last race up in Savannah a few weeks week's Avion - our Friday night get Mike Lubanski, Doug Byers and PIZZA inhaling trips, not PLAZA James Bicken raced the weekend inhaling trips. We really aren't all the top ten. Top honors went to us are not able to digest concrete. James, who took home the fourth. This all takes place every Friday night at Good Times Pizza in Port. Orange at 8:00, Bring a friend or two. Everyone is welcome!

Our annual Spring Rodeo is scheduled for March 21. We are in the process of getting the details hammered out and are tooking for Sundance Leather shop in the heart volunteers to help with this event, of it all on Main Street. This is our For information on this, on working second year of promoting our club at during Bike Week, or anything else, Simdance and it promises to be just please contract Steve at 257-9711.

By Keith Sterner Philippin Platetions

This past weekend was a great success and many members participared. It started out with dinner and a lecture by astronaut Bob Crippen. This event was held at Florida Tech (FIT). The very next morning about 30 people attended a Space Camp Activity tour which proved to be both educational and a great deal of fan for everyone.

This coming up weekend is the MOSH Science Fiction/Science Fact Day in Jacksonville. Astronaut Kaye Downing has asked us to sponsor a booth on behalf of ERFSEDS. SEDS-FL and SEDS-National. Those of us working the booth will be handing out information so other chapters can be founded by the space enthusiasts we meet. Many members will be attending, if you would like to come it is \$5 at the door or free if you come in costume (note: a "costume" can be anything related to science fiction or science fact, even camouflage pants would work!). It is being held at the Museum of Science and History, there are large signs on I-95 to direct

If you are a paid member and would like to become more actively involved, there are many committees being formed that could use your assistance Currently we have the

following committees:

1) Space Week - coordinating joint sponsorship with the Aerospace

2) Space Archives - establishing a network of resources and contacts within the space industry via interpet.

3) Publications - publishing articles for various publications (Avion, Phoenia, Nova Newsletter, etc.), creating and posting fiyers, banners,

easels to announce upcoming events. 4) Fundraiser responsible for helping create/present possible ideas, possibly helping out coordinating said activities.

More committees will be formed, so these aren't your only chances to be involved. Feel free to sign-up for multiple committees, if you have the spare time. By delegating these areas of work to the members, more people have a chance to be involved, and acquire the much desired leadership skitts that every employer wants!

If you have attended our meetings, or have heard about us, and you are still interested in joining. please contact us. We hold our meetings on Tuesday evenings at 6:30 pm in the Endeavor Conference Room (upstairs in the UC). If you can't make it to the meetings we can be contacted through our box in Student Activities or via e-mail (our address is <erfseds>). To the starsby effort!

by Gary Larson

Calvin and Hobbes

Meantant

MERENGE HILS WAY

by Bill Waterson







NEXT

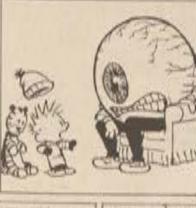
SIGN















SEVERLO

HEAD.

YOU TELL ME

WHAT'S THE

THAT BAG?

YOUR TESTS

Dave

REGIN





ME ANSWERS

YOMAH M

DURING TODAY'S

TEST



CHOP CITO

BRINGS

THE PRINCIPAL

BOTH LIKE TO

IT SPEAKS

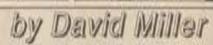
THE TRUDE











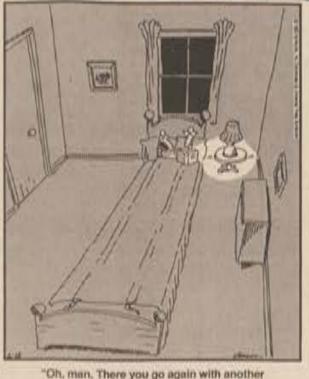








Far Side



"Oh, man. There you go again with another one of those hiss-and-tell books."



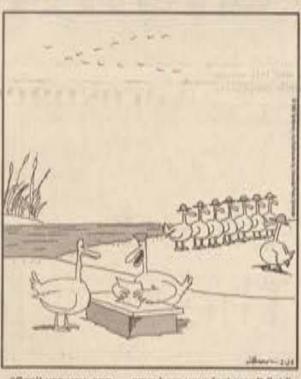
She was known as Madame D'Gizarde, and, in the early '40s, she used deceit, drugs and her beguiling charms to become the bane



"And so you just threw everything together? ... Mathews, a posse is something you have to organize."



"Excuse me, sir, but could your entire family please step out of the car? ... Your faces are not in order."



"Can't use you, son. ... says here your feet aren't flat."



Bound and Gagged

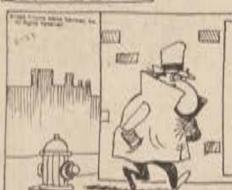
by Dana Summers



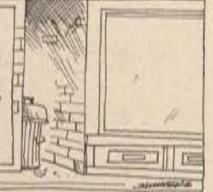


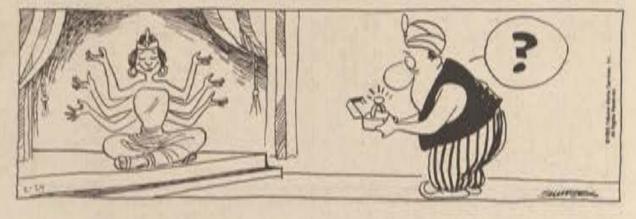






CLINIC FOR THE PARANOID ENTRANCE AROUND THE DOWN THE ALLEY, BEHIND THE DUMPSTER, AND FOR GOSH SAKE, BE CAREFUL!





Autos for sale

Buying a vehicle? Buy from a Riddle alumai. New and used ears and trucks/program ears. Contact Mark F. Morano at Cary Yeoman's Ford executive car sales, 947-4455. Bring this

Hoy your man new or used Fund car or truck from an ERAU alumni. Call Gary Yeoman's Food at 253-6771 and ask for Stave

For sale: 1992 Niman South SER, Excellent condition, A/C, stereo tape, cruise, \$10,700. Call Dan @ 441-6211.

For Sale: 1983 Mustang GT, modified, clean, mmit ariti 52400 oho. Calt 760-7379.

FOR SALE: Awaronse scooter, 1986 Yanisha 180 to. Stati two, Quick and reliable, 55+ 10gg. Black. 5500 miles. Includes shop manual, Great condition, Call Disco Dave ill 258-1107, \$500.

'81 Toyota Starlet. Runs well and gets good gae mileaga. \$600. Ask for Nick or leave message: 322-0082

+) Roommates

For Sale or Rent, 2 Bed/ 2 limb Townhouse. Two levels, full appliances, Pool, Cable TV. Water and Trash Removal all included. Located only 2.5 miles from ElkAU, Call today for more details 788-4345

Need a place to live? 2 bedroom, 2 bath aptfeland Club Partially himshed, \$292.50 + 1/2 utilities. Washer/dryer, tennis courts, jacuzsi. Must be quiet, clean, non-imoker, trustworthy. Available May 1st; I yr. Jeans, Sum. Fall. Spring. Call Cheis 8t 767-0739.

Plight instructor needs a place to live. Will be Immuless as of March 12, 22 years old, clean, and quist if necessary. Can put up with about anyone, so please out Phil at 257-9658.

Resognate needed - Beachade or mainland, 2 locations, \$190/month + 134 unlities, Great Joestions and clean wrap around sunderly Cable, washer/dryer, 2 our garage. Closs to ERAU. Call 238-2535.

+ Misc. for sale

DOWNTOWN, USED FURNITURE 9000 aqft. showroom, Tues.-Sat. 10-5:30 406 N. Beach St. Daytona 230-9884; Buy and Sell.

Apartment-rized refrigerator, Excellent Condition, 6 months old, 3,5 cu, ft. New \$179. (best offer): Call 673-1118.

New Plightcom headarts for rale. Contact Nean & 226-7534 or box 6798.

Sohwinn "LaTour" 12 speed rouring bike with front and rear quick rateure, 41/20 obrome moly frame, dia/comp brakes and toe clips. This tike looks and frels brand new, and comes with a lifetime guarantee, \$225. Call Charles (#27st-2722)

Penformannal laminations and new pilot supplies: Charion for Lat officer video, 737 systems diagram manual. 747 pilot's sysview video. 1993. Oleim weitura test books. Handheld ICOM transcriver. Flight course advanced ground school suroring by ATP. (904) 226-7563.

Word processor, Smith Corona PWP-125. 80000 charoner diaplay, 64k RAM, 3.5" disk drive, Spell-Right, 75,000 word dictionary. Like New, still in box \$150. Call 258-0388.

Building a computer? Dook-top case with power supply and keyboard, slightly used, Dest \$50 takes all, Call 258-0308.

Wen a trip to the Bahamas. Can't go must sell. \$600 OBO Bryan @ 322-2701

For sale. Matching sofa and love asar. Matching coffee tables and and tables, matching nightstands and a six drawer desser. Best offer will be accepted for any of the above terms, Call Stu @ 238-0639.

Selling my Compute 3 possible computer. Has some software \$400.00 OBO, Greg 258-7521

20 gallon aquarism, fully equipped. Have table for stand, \$75 obo, Call Dave @ 238-

For Sale: Electric Cuitar and amp; \$300, 197 Color television: \$200, Call 226-7322

Entertainment Center, \$75 abo; Eureka Vacuum Clemer, \$25 abo; Microwave over 545 obo; Steron Aystem w/ two speakers, 533 obe; Philes 19 inch color TV, \$100 abox Wooden dining room table w/ four chairs, \$135 obo. Call Mary @ 788-0751.

Two wooden stools, \$25 obe; two piece. sectional freing score set with pullous queen size bed, very good condition, \$250. Twin size bed, \$25; king size waterbed with fancy wooden beatboard, \$250 obs. Call Mary @

Miscellaneous

I hour ear window limening timing \$20. Call 226-7563.

Tailwheel (light instruction in Piper Super Cub at 550 as how including instructor training for private and commercial licenses also available. Call Jim at 760-1630.

Waitress position at Italian rustaurant. Small apartment space available for residence. Call

Laundry service. Have your clothes: Picked up, warted, dryed, pressed, folded and delivered to your room by cleaning woman-236-7563, \$7.00 per backet.

CLASSIFIED AD POLICY

 Non-commercial classified advertising and personals are free to the student body, faculty and staff of Embry-Riddle with 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.

Multi-segins instruction, MIII or initial rating, \$70 hr. block time. All other certificates and ratings available. Don #677/

Multi-engine airplane chured expense cross country flights: 1) Daytona - Paradise Island. Over water, itland and customs experience. 3/12/93, 2) Daytona - Tampa, Alumda chamber field trip. 3) Deytons - Adanta 4/18/93. Delta strlines hendquarters total Banayationa Call (904)226-7563.

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Cirt your ATP, MUI or Multi raring. Hest quality Seminole and Instruction around. Call Steve @ 760-9189.

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NEED MONEY FOR COLLEGE, Soul SASE for details to: College Financial Planning Assoc: 4311 NW 53 Ct. Coconut Cresk, Ft. 23073. Ann. Annenn Greco.

EARN EXTRA INCOME "93" Earn 5200: \$500 weekly mailing 1993 UWTI travel two-thurss. For more information and a self addressed stamped streetope to: Travel Inc-PO BOX 2530, Miami, FL 33161

+) Personals

Good God., Two years, it's only getting better. Thanks for being you.

RUPRECHT. That's between me and the plane.

KEEPER OF THE CHEESE, The shorter bread uses superior jumping ability to tip the small to a transmata

To all international analents: Thank you to all of you who have taken the time to fill out my survey on logos. Those who have not ... Please do. You can get a form at the inst' students services office. Jarry Verghere

To all who have responded to the survey on logos - Thank you. If you mill have it with yest... Please respond as early as possible. Jerry Vorghose

HEY MILFERS. When are we going to start hanging out

I just wanted to thank you for introducing me to your mother. I have finally found the woman of my dreams. Thanks Buddy! Love, Dietz.

In response to 2/17/93. Don't jump to condusions. I might have time. Write me if you've serous, #7541, J.M.

To those who survived Continental flight 358 lan weekend. I never thought we would make it back to Daytona. We have to thank John for a job well done. From the kid who missed

It's your best friend! No, not your hand, your BK buildy. I just wanted the whole school to know we are best friends? P.S. Drive 'da dar!

Duane's Cale Buddy

KNEE-COAL. the candles were real, the rones were real, the spaghetti sauce waan't but I was! K?

We came, we saw, we performed 'muff said! Spring 99.8.O.

I just wanted to tell you that you are the man.

KERRLY.

Two words: Moo moo your roommates,

Sir mixed up a lot. Does your haby got

Meliam and Kiersten Congratulational the Signrit of Thera Phi Alpha.

I'm glad we gave it a chance. I'm having to much fon. I hope we can pull it off. You're my best buddy. You've helped me through some really tough times. I don't know what I would have done without you. Love yo. K.

BARON

You are the cutest to the infinity infinity crap. No arguments accepted or listened to. Love, zoomie (ex-zoomie)

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Plus a chance to earn \$1,000 for yourself!

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Wormholes

Furthermore, like a blackhole,

gravitational well that would crush

anything even before it enters the

wormhole must be forced in the

open position and the gravitation

well must be counteracted. This is,

unfortunately, much easier said than

superstructure of "exotic" material

must be placed in the wormhole.

Exotic materials are super dense

materials (no we currently do not

have any) that could withstand enor-

mous stresses. The material needed

to hold the wormhole open would

have to withstand pressures up to the

pressures encountered within a

In next week's third and final

installment the possible use of

wormholes as a time travel gate will

neutron star.

To keep the wormhole open, a

To overcome this problem, the

hole.

Don't drink and drive!

Get Involved Join The PHOENIX STAFF

Phoenix needs:

- photographers
- copy writers
- editors
- slaves, lots of slaves

stop by 2nd floor U.C. (Avion Office) or call X6048

Spacewalk (continued from page B2)

Section at the Johnson Space Center. We'll also demonstrate that the EVA community can plan, train and fly four missions this year and in that sense, it will be a banner year for EVA and will be somewhat representative of the EVA efforts required to build and maintain Space Station Freedom," Farris added.

The spacewalk tests, as performed during STS-54 in January, concentrate on defining the limits of spacewalking abilities, better understanding the difference between true weightleasness and the ground training facilities that simulate weightlessness and gaining more insight into the times required for various tasks to be performed while spacewalking. The tests also expand the spacewalk experience levels among the astronaut corps, shuttle flight controllers and spacewalk training instructors.

The specific tasks to be performed on STS-57 are still being evaluated by flight planners, however they will concentrate on tasks similar to those

performed on STS-54 although they will feature the use of the Canadarm. (continued from page U2) The STS-57 spacewalk, as with the spacewalk tests will be done without wormhole would have an enormous any impact on the mission's main objectives and will carry a low priority among the mission's tasks.

STS-57 crew members G. David Low, making his third space flight, and Jeff Wisoff, making his first space flight, will perform the EVAs. Neither spacewalking astronaut will be involved in the retrieval of the EURECA satellite.

With the spacewalk performed in January, those planned for April and July and the spacewalks planned for the STS-61 HST servicing mission in December, a total of four shuttle flights this year feature specewalks, The July spacewalk, scheduled aboard Discovery's STS-51 flight was only added to the launch manifest February 3.

STS-54 apacewalk and other such

Four shuttle missions with planned spacewalks in one year ties NASA record for missions with EVAs set when four spacewalk missions were flown in 1984, including the dramatic Solar Max satellite

be explored. The information contained in this article was gathered from the following sources available in the Jack R. Hunt Memorial Library: Wormholes, time travel and quantum gravity by Redmount, Ian, New

Scientist, 28 April, 1990, pg. 57-61. Cosmic Time Travel by Freedman, David H., Discover, June

1989, pg. 58-64. Maker of Worlds by Freedman.

David H., Discover, July 1990, pg.

H-P

(continued from page B3)

was the strongest, the Unix multiusers business and the workstation business," he said.

H-P has been quick to take advantage of weaknesses shown by Digital Equipment Inc. and International Business Machines Corp. in the market for high-end computers, Herwick

Hewlett-Packard, based in Palo Alto, Calif., employs 93,100 workers in 100 countries. It had \$16.4 billion in revenue in its 1992 fiscal year,

Missions (continued from page B2)

The Comet Nucleus Tour will study three different comets during a five year mission, focusing on the structure and composition of the micleus.

Small Missions to Asteroids and Comets involves the Jaunch of four separate spacecraft to study disfinctly different types of comets and asteroids.

The Near Earth Asteroid Returned Sample will acquire samples from six sites on an asteroid and return them to Earth for study

The Earth Orbital Ultraviolet Jovian Observer will use a spectroscopic imaging telescope in earth orbit to study the Jovian system.

The Solar Wind Sample Return analysis.

Final selections for Discovery missions will be made in a formal competition and will be announced probably in the next year. The formal selection process will be open to all interested parties and a proposal for consideration may be submitted by anyone. The proposals to the final competition will be very extensive and include information on spacecraft design, data systems and science muonale,

"The study of planets provides other planetary examples against which to compare our own Earth, in order to understand better how planet Earth works and how it behaves," said Huntress.

The Discovery Program is managed by the Solar System Exploration Division of the Office mission will collect solar wind mate- of Space Science and Applirial and return it to earth for cations, NASA Headquarters, Washington, D.C.