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AERONAUTICA

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Beech introduces improved version of Super King Air B200

Beecheralt Press Baleaus

Beech Aircraft introduces an improved version of the Super King Air B200 at the National Business Aircraft Association annual convention this year.

The first production unit of the new airplane is on display at Love Field as part of the NBAA static

Like earlier versions of the B200. the new model offers unmatched utility. It carries more payload in a bigger and more comfortable cabin, operates from shorter sirfields, and uses less fuel than any of its jet competitors.

Visually distinguishable from earlier versions of the Super King Air B200 by its four-blade propellers, the new airplane features numerous upgrades and systems improvements.

Propellers on the new B200 are 94-inch diameter four-blade McCauleys, replacing 98-inch threeblade McCauleys.

Shorter props result in reduced tip speed, generating less noise and vibration.

The new propellers use a new low friction aluminum hub, which gives improved synchrophasing.

Honeywell Primus 1000 system used on new Learjet

By Mike McGrath Association (Who)

Learjet is developing an all new business aircraft, the Learjet 45. The avionics package selected is Honeywell's Primus 1000 ayatem.

This will be the first aircraft in its class with such a system. Some of the features are the engine instrument/crew alerting system (EICAS), dual data acquisition units(DALI), dual solid-state micro air data computers(MADC), dual Primus II nav/comm/ident radios, and Primus 650 weather radar.

The flight deck will have 8 inch by 7 inch displays. Honeywell will also incorporate a four tube electronic flight instrument system. This system features dual primary flight displays (PFD).

The most important feature is the Honeywell IC-600 integrated avionics computer (IAC).

This performs a very complex function. It combines the EFIS and EICAS processor, flight director, and digital auto pilot in a single

Honeywell has always led the industry in sensor technology. This radio system, is another plus for Learjet.

Specifically, the units are the DAU and MADC.

In addition, the propellers are engine start, for increased passenger dynamically balanced for reduced vibration.

A hard-wired connector in the cockpit permits easy field fine tuning of the propeller balancing for the life of the aircraft.

In the cabin, 32 dynamic vibration absorbers attached to structural frames reduce interior noise and vibration levels.

Bagged type acoustic insulation eplaces earlier battery type, giving better noise and temperature insulation, and more resistance to moisture absorption.

Scotch damp insulation replaces outer fuselage skin, providing more effective noise damping.

Taken collectively, these improvements enhance passenger

Additional improvements in the new B200 include a new flap actuator switch system that simplifies flap operation; a lighter air conditioning compressor that provides a 24pound increase in useful load with no reduction in AC capacity, and a ground fine position on the power levers to enhance ground handling.

A new electric heat system with elements located in the air conditioning duct work provides improved cabin heating before

comfort. Cabin chairs have been restyled to provide better support and

Recontouring of the chairs effectively increases room between the seats in the club section by three

The cabin interior has been redesigned to more closely resemble the Super King Air 350's, with 350style sidewall consoles, cabinetry, window reveals and cabin partitions.

Cold cathode lighting replaces conventional fluorescent lights, for better cold temperature starting and true bright/dim capability. On the Scotch foam on the inside of the flight deck, 350-style crew chairs with tilt adjustment are now

Crew oxygen is through EROS model masks stored in overhead brackets for quick donning

For crew convenience, the gear warning silence switch has been located on the left power lever, and a flashlight is mounted in a holder on the left side of the pedestal, Initial models of the new B200 will have the same avionics as the current airplane.

EPIS 84 system will become stan- display standard.

dard, utilizing the APS-65 auto pilot. A three-tube display of the EFIS



Later next year, the new Collins EFIS 84 system will become standard on all King Air B200 models.

Later next year, the new Collins 84 will be optional, with a two tube

Pricing for the new B200 will be announced early next year.

Beech Aircraft, a unit of the full line of general aviation aircraft, Raytheon Company, is a leading aviation company.

It builds, markets and supports a tary and regional airline markets.

ranging from piston-powered models to jets, for the commercial, mili-

Airline industry expects heavy losses for 1992

By Michael Stellawag

Amoneticus Willer

In spite of carrying an all-time record 42.8 million passengers during August, the airline industry still expects to lose money during the usually strong third quarter, and post a loss of at least \$1.7 billion for

Speaking to the Society of Travel Agents in Government on September 18th, Landry explained that the air- atimulated with the right price, lines are engaged in a life or death struggle to turn around three years of catastrophic losses.

"I have to add that this devastating economic situation has been further compounded by our own federal government, which has burdened the airlines with excessive taxes and regulations at the very time all of us and the thousands of companies dependent upon us - are struggling for survival.

Landry also said that based on recent remarks by Department of Transportation Secretary Andrew Card that recognized the need for less regulation, he was encouraged that this message might finally be getting through.

Governments the world over have long considered our industry a cash-

Perhaps now at least our own government is finally opening the doors of its restrictive regulatory barn, giv- cost/benefit analysis."

ing us a chance to move toward green pastures,

Record traffic was posted by the airlines during both July and August, generated by heavy airline discount-

Landry said the action was taken by earriers attempting to fill millions of empty airline seats with the hope 1992, according to Air Transport of increasing revenues. "Ultimately, Association's (ATA) president Jim the problem can only really be solved by an aptura in consumer demand. But when the demand isn't there naturally, it can always be

There's a rather large that relishes the outbreak of a fare war - particularly the millions of airline customer, hotels and car rental companies,"Landly said. "But for airline financial officers, Wall Street and much of the travel agent community it's quite a different

The industry has been forced in retrench by making large layoffs, reducing capital spending plans by more than \$20 billion since 1990 and canceling or delaying delivery of new aircraft and reducing capacity,

Landry said that absent a truly disciplined federal regulatory process, "our industry's long-term prospects are bleak". He called on the government to properly identify problems and issues, and to provide meticulous projections of the costs of proposed regulations."Any such proposal must pass the test of a reasonable

Honeywell's Primus 1000 system will bring a higher level of technology into the new Learjet 45's cockpit. The flight deck will have an 8 inch by 7 inch display with a four tube electronic flight control system (EFIS).

are only one third the size and more

The Primus II navigation/commonication/identification radios will be standard. Positioned in a dual configuration, they will feature flatpanel radio management units. This system is the first fully integrated

These management units will allow central tuning. The displays for these units will be liquid crystal.

standing feature. As a first in the industry, the flat-panel display has back-up navigation and engine

The weather system has the Rain Echo Attenuation Compensation Technique (REACT). This is a feature only found in Honeywell systems.

This will alert operators of storms located behind other storms. Information from the radar can be

Along with these features, some options will be available.

These systems include the traffic alert and collision avoidance system (TCAS II), Primus 870 weather radar, and dual fiber optic gyrobased attitude and beading reference systems (AHRS).

Honeywell has always been leading the avionics industry. Honeywell is a worldwide company that also provides services for homes and buildings.

Unlike current computers, these. This, however, is not the most out- displayed on the MFD. program to help the economy "With the support of McDonnell notes that the River City effort has

McDevinol Douglas Press Relation

The U.S. Navy's F/A-18E/F development program is helping to infuse one of the nation's most economically distressed areas with training and jobs,

Through the federal Mentor-Protege Pilot Program, the Navy, the state of Illinois and F/A-18 manuhelping a new, minority-owned company set up an aircraft parts metal-finishing factory near East St. Louis, III.

River City Metal Finishing Inc., will hire and train its initial cadre of new employees starting around the first of the year.

Employment could build to a peak of about 70 people.

The mentor-protege program is a federal initiative to encourage major Department of Defense contractors to provide developmental assistance to enterprises that qualify as small disadvantaged businesses, or SDBs.

Bill Wilkerson, owner of River City Metal Finishing, says the arrangement is accomplishing exactly what the Congressionally sponsored initiative was designed to do. "This new company serves as an impetus for economic redevelopment in an area that needs it badly," he said.

Douglas and the Navy, we're forg- required unprecedented cooperation ing a national model that will demonstrate how well the mentorprotege concept can work."

River City is converting an old warehouse into a state of the art factory that will meet stringent environmental requirements now and in the

In it, both military and commerfacturer McDonnell Douglas are cial aircraft parts will be anodized, grit blasted, surface treated, primed, painted, coated and sealed. River City also will perform non-destructive testing. The new company is expected to generate an estimated \$5. to \$6 million of revenue annually in the East St. Louis area, where unemployment tends to hover at a rate about 50 percent greater than that of metropolitan St. Louis.

> With only a few exceptions, all the new employees will be hired from the immediate area. McDonnell Douglas is providing River City with technical, managerial and financial assistance, belp with training of employees and certification of technical processes.

This mentor-protege agreement

runs for five years, Michael M. Sears, vice president and F/A-18E/F general manager for McDonnell Aircraft Co., McDonnell Douglas' combat aircraft component and prime contractor for the F/A-18,

among a variety of groups --- the mentor-protege principals themselves as well as individuals with the U.S., Navy and its F/A-18 program office, which arranged \$500,000 in startup funding for the effort; and the state of Illinois, which will assist in hiring and training the new work-

The stronger we can help make the small disadvantagedbusiness community, the more robust it will grow and the morewe'll be able to rely on it for additional products and services," Sears said.

McDonnell Douglas was "the first defense contractor to join the program and one of the few that has been preactive in supporting the spirit of the law," according to the May/June issue of Minority Business Enterprise magazine.

McDonnell Douglas serves as mentor in three of about 10 mentorprotege relationships approved by the Defense Department nationwide, has an approved letter of intent with a fourth protege and is considering several other agreements.

F/A-18E/F engineering and manufactoring development was initially funded by Congress for fiscal year 1992, approved by the Defense Department in May and awarded a letter contract in July.

Aero Identification NAME ERAU Box # ID Return this form to the Avion Office. The first, exact answer as to the identity of this aircraft,

will win two free passes to Pirate's Cove miniature golf. The student publication staff and their families are not eligible.

Engine troubles may delay launch Crack in main engine of Columbia to be replaced today Mars Observer on its way despite problems

By Joshua S. Mussaf Space Technology Editor

The Space Shuttle Columbia arrived at launch pad 39-B on Saturday morning, but NASA may have to delay its launch because of engine problems. Shuttle managers have decided to replace one of the three main engines (engine number three) after engineers found indications of possible small cracks in the engine nozzle liquid hydrogen coolant manifold located at the bottom of the nozzle.

This manifold funnels liquid hydrogen into tiny tubes inside the nozzle to provide cooling to the nozzle and other areas of the engine during its 8 1/2 minute use for ascent into orbit.

Engineers found the possible cracks after examining X-rays taken after manufacturing. X-raying the areas of concern at the launch pad would require an involved process including removal of the main fuel valve. In the interest of time, another engine is being prepared in the main engine shop for installation on



The Space Shuttle Columbia arrived at launch pad 39-B early Saturday morning. A small crack in an engine nozzle may delay its October launch.

Assembly Building. Weld concerns engine number two. on main engine number one are in a

while Columbia was in the Vehicle There are no concerns with main

different location than in engine be done this week. Possible impacts into orbit. The 10 day flight will

area of main engine number one removal of the main fuel valve. targeted for mid-October are still being assessed.

Columbia will be making its 13th The engine replacement work will flight carrying an Italian satellite

X-rays were taken on a different number three and did not require the to the STS-52 launch date, currently carry a six person crew booster fails leak test for flight

MASA press release

While the Space Shuttle Discovery's next flight is not scheduled until mid-November, preparations for the flight are already underway. The STS-53 solid rocket boosters are being stacked in the Vehicle Assembly Building in preparation for flight, Last week however, problems arose in the stacking operation.

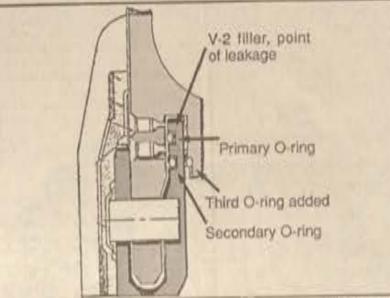
As part of the booster assembly process, special equipment is used to check for minute leakage past orings in the booster field joints. During these standard leak check operations on the right-center field joint, a leak was observed by test engineers at the primary o-ring scal, As planned for contingencies such as this look check anomaly, engi-

neers have de-stacked the booster segment to inspect the seal and determine the cause of the leak.

When the segment was detached from the right aft center segment on September 23, a one-inch piece of the V-2 filler section was found pinched between the joint preventing it from sealing the joint properly.

Officials have determined that this V-2 filler caused the leak. Further inspection of the three orings proved they were intact and undisturbed. No foreign debris or contamination was present in the

There are 8 sections of the V-2 filler sections that are held in position with grease and are press-fitted into place within the joint. The V-2 filler sections (rubber seals) are



shows the V-2 filler and o-rings where a leak was found.

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property Johns E. Manuf. This cross sectional view of a solid racket booster joint



A Titan III rocket carrying the Mars Observer was launched at 1:05 p.m. last Friday. during the 53 minutes it took to

By Joshua S. Mussat Space Technology Editor

The Mars Observer mission got off the ground last Friday and is now on its way to Mars. The Titan III rocket carrying the probe was launched at 1:05 p.m., 38 minutes late because of delays in clearing

the launch pad. Once underway the entire project was in limbo because of a loss of communication with the probe. The upper stage rocket failed to radio its status to ground controllers, leaving communications silent. Ground controllers had expected to know how the probe was doing each step of the way tracking the probe-

leave Earth's orbit. However, they had to wait 90 minutes until the observer's own radio signal was picked up by a NASA tracking station in Australia.

Engineers are also evaluating potential problems with the highgain antenna and a sun sensor.

The Mars Observer will be traveling at 39,000 mph for the next 11 months, intersecting Mars next

The Mars Observer mission is costing NASA 5903 million: \$511 million for the probe, \$262 million for the Titan rocket and the upper stage rocket and \$130 million for



Oceanfront Oktoberfest Musical Entertainment

Friday, September 25th

Mark Bouchard & the All Star Polka Band

Schuhplattler Dancers

Schuhplattler Dancers

Nostalgia Music Jammin Jeff (Inside Festhaus)

Schuhplattler Dancers

Schuhplattler Dancers

Saturday, September 26th

4:00 - 8:00 p.m.

6:45 p.m.

7:45 p.m.

8:45 p.m.

9:45 p.m.

8:00 - 12:00 p.m.

8:00 - 12:00 p.m.

6:45 p.m. 7:45 p.m.

1000

8:00 - 12:00 p.m.

8:45 p.m.

9:45 p.m.

The Polka Pals Schuhplattler Dancers

> Schuhplattler Dancers The Oom Pah Pahs

Schuhplattler Dancers Schuhplattler Dancers

Schuhplattler Dancers

Schuhplattler Dancers

Schuhplattler Dancers

Schuhplattler Dancers

German Folk Dancing

German Folk Dancing

German Folk Dancing

Saturday, October 3rd

The Polka Pals

Richard Smith (Inside Festhaus)

Richard Smith (Inside Festhaus)

The Oom Pah Pahs

Sunday, September 27th

2:00 - 6:00 p.m.

6:00 - 10:00 p.m.

Nostalgia Music

Mark Bouchard & the All Star Polka Band

Friday, October 2nd Mark Bouchard & the All Star Polka Band

4:00 - 8:00 p.m. 6:45 p.m.

7:45 p.m. 8:00 - 12:00 p.m.

8:00 - 12:00 p.m.

8:45 p.m.

9:45 p.m.

4:00 - 8:00 p.m.

6:45 p.m.

7:45 p.m. 8:00 - 12:00 p.m.

8:00 - 12:00 p.m.

8:45 p.m. 9:45 p.m.

Sunday, October 4th

4:00 - 9:00 p.m.

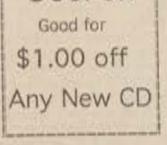
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German Folk Dancing The Oom Pah Pahs

Mark Bouchard & the All Star Polka Band



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Gliders offer earthbound powerless flight

By Boyd Kelly Diversione Editor

"Instead of our drab slogging forth and back to the fishing boats, there's a reason to live! We can lift ourselves out of ignorance. We can be free. We can learn to fly!"

- Jonathan Livingston Seagull

As many of you know Jonathan Livingston Seagull was a great flier, but this is not his story. Jonathan was the closest thing I could think of when I went on a glider flight last

For those of you who have only been in a powered airplane then you will appreciate the sheer quietness and the awesome glide ratio. If you don't do any flying, you could do no worse than take an intro flight.

I went down to Precision Souring hast wednesday with Ted Hodgdon. run, They are based out of Massey Ranch Airpark in Edgewater and he briefed me on the short ride down there.

Precision defines a glider as "any wing supported aircraft with no power source of its own." They have three gliders; a Blanik and two Schweizers

metal plane from Chezkolavakia and has a 28:1 glide ratio. This means 28,000 feet of forward motion for every 1000 feet of descent. This is in comparison to a plane like a Cossna 172 whose glide ratio is is approxamarley 9:1. Newer composite gliders have a glide ratio of 40:1.

We helped place the glider on the runway while Dale Massey warmed up the Cub that was to tow us. I atrapped up in the front seat and Ted took the back seat. Our wingman hooked up the tow rope and checked the connections.

Once we were hooked up he took position on our left wing. We completed our pre-takeoff check and the rish of wind over the canopy. then I gave a thumbs-up sign to the wingman. He picked up our wing and we "wiggled" the rudder on the glider. The towplane repeated the signal back and began the takeoff

The glider gets off the ground in half as much distance as the Cub so we had to fly behind it.

The glider is controlled by a stick and contrary to popular belief it is towed the objective is to stay direct- found you can stay airborne for over The glider we rode in was the a two-hundred foot rope and keeping convective clouds and where birds

Blanik, a two seat glider, it is an all the glider in its place wasn't very much trouble.

The stick is held in the neutral position for adjusting left or right, leaving rudder as the primary control. Adjustment up and down is made conventionally with the stick.

The rear window of the cub is used as the reference point. The glider pilots call this the Greenhouse. The glider pilot keeps the Cubs tail top centered in the

Our tow took us up to 3000 feet where we cut ourselves loose and the Cub returned to the airport. The most obvious thing is the silence. There is no sound at all except for

Ted took the controls and pitched down to achieve the 40 knot bestglide speed. This speed gave us about a twenty minute ride. Since my flight was early in the evening there were no thermals out to gain more altitude.

"Thermaling" is how gliders normally gain altitude when in the air, One of the most important lessons is pretty easy to use. While being finding a thermal because once ly behind the towplane. We were on an hour. Thermals are found under



The Blanik's cockpit is not very large but the bubble canopy provides excellent visibility all around. In the background you can see the large wings.

are circling. Birds take advantage of the same thermals to gain altitude. Ted said it was normal to join in with the birds without them

minding. Ted explained the basics of glider flight and the instrument cluster. Since I am already a pilot there wasn't very much to explain about the baxics. The other controls in the glider are the flaps, the spoilers, a retractable whoel and a brake.

The flaps are hardly ever used; instead the spoilers provide the appropriate drag for slowing down and landing. The wheel is usually left down as its drag is almost negligible. The brake is used for landing only and is almost unnecessary due to the grass runway at Massey Ranch.

The instrument cluster had an altimeter, airapeed indicator, a magnetic compass and two highly sensitive vertical speed indicators. These help in verifying if you are in a

It is an externely relaxing time and very enjoyable. The first thing I thought of, besides lessons, was that it would make a

great gift.

After the brief introduction Ted turned the controls over to me. The first thing I noticed was the large amount of rudder needed when turning. This is due to the amount of drag caused by the large ailerons. Keep in mind the wing span is about forty feet long.

We started down and did a couple of steep turns. The whole time we kept Massey Ranch in sight. This is the next most important rule, especially this time of day without

The glider gives you a great opportunity to see a view of the local area. We glided around for about fifteen minutes before we were down to 1000 feet where we began to set up for landing. We pitched down to fifty knots and headed downwind.

The standard traffic pattern worked fine and left us at 600 feet on final. Since it's better to have more altitude, this was perfect. All we had to do to descend further was put in full spoilers. This brought us

down in no time. Landing is a little different and I almost did it wrong. I instinctively tried to flare the glider. This is not the proper way to land a glider. Since it is flying so slow, you fly it straight down the runway and it "set- tion to Massey Ranch, call Precision

rolls to a step and the rolled onto its

It is an extremely relaxing time and very enjoyable. The first thing I thought of, besides lessons, was that it would make a great gift. Sure enough, a large amount of the flights they do are gifts. I really do recommend it for your special person.

There are standard certificates for glider flying: Private, Commercial and Instructor. There is no medical required though.

To solo a glider you need to be at least 14. It takes about 20-30 lessons fasting around 20 to 30 minutes depending on conditions.

The Private glider must be at least 16. You must take enough lessons to solo; built up seven hours of solo flight time; pass an FAA written and get a reccomendation for and pass an FAA check ride and oral.

Add-ons are simple and are available for all levels.

The Private add - on requires enough lessons to solo, ten solo flights and a check ride. There is no written required.

The Commercial add-on is the same except you need ten more solo flights. There are no time limits on the solo flights.

For more information and directles" down to the surface. The glider Soaring at (904) 428-3818,

The Blanik's cockpit sports dual controls, including instrumentation. The altimeter, airspeed indicator, compass and the vertical speed indicators are clearly visible.

They Might Be Giants tour their Apollo 18 album around space coast

By Scott Augustus Diversions Writer

Anyone that ventured into the "pit" of the They Might Be Giants (hip abbreviation: Giants) concert last weekend was lucky to get out unscathed. People that are with Giants music might be wondering. A violent pit at a Giants concert? Well, stranger things have happened. Just, not very many of them,

To the first-time listener, They Might Be Giants music is not exactly slamming music. Actually, it seems to be on the lighter end of the progressive, alternative spectrum.

It is meant to be entertaining, humorous music. And the Giants' latest release, Apollo 18, is definitely that. It measures up to, and probably surpasses, their three previous albums' standards. Some of the songs on Apollo 18 might even be stranger than, and superior to, the Giants' breakthrough album, Flood. One thing that makes Apollo 18 stand out is the assorted collection of "Fingertips" at the end of the album, twenty odd samples usually everyone for coming, and played a less than ten or fifteen seconds long that Giants' say "is designed to complement the Shuffle Mode of modem CD players.

The concert was near the University of Florida in Gainesville, on September 26th at the Florida Theater, an ex-movie theater that had been turned into a night club. Opening for the Cliants (try not to think of the (ootball team) was a band named Syd Straw.

Syd Straw consisted of a female vocalist/ harmonica player/ guitarist/pseudo drummer, and one guitarist, with the occasional help of another bass guitarist. After playing for about half an hour, Syd Straw bid adieu and the "physical" crowd awaited the main attraction. In addition to warming up the crowd,

open for They Might Be Giants because they offered to help drive.

As most concert-goers are used to waiting for an eternity for the headline band, it was a pleasant surprise seeing They Might Be Giants show up on the stage only fifteen or twenty minutes after Syd Straw left. Maybe that isn't such a surprise when you consider the uniqueness of the group on the stage.

They Might Be Giants is John Linnell, lead singer and guitarist and John Flansburgh, guitarist and backup vocalist for most songs. Also, occasional guest appearances at the concert and on the album were made by drummer Jim Thomas and a guitarist introduced only as Tony.

They Might Be Giants opened with the last song off Apollo 18, an instrumental called "Space Suit," not exactly a hard thrash song, but the classic "Dancing Queen," crowd must not have been listening, because the moshing started.

After "Space Suit," the Giants introduced themselves, thanked single off of Apollo 18 called "I Palindrome I." After that song the Giants, seeing the physical pit forming in front of them, sarcastically warned the crowd not to mosh or slam. Probably to the Giants' relief, the crowd kept right on going.

They Might Be Giants continued to play a good mix of new songs from Apollo 18 and older songs from previous albums. One song from Apollo 18, maybe their most popular from the new release, is called "The Guitar (the lion sleeps

needed to call for help from a female vocalist Syd Straw. Other tracks eral, or likes getting banged, from Apollo 18 that the Giants bruised, and almost killed, will not played included "Mammal," "She's regret the trip. Actual Size" (a personal favorite).

according to a poster for sale at the "See the Constellation," and "Dinner concert, Syd Straw was invited to Bell." One of the short Fingertips was played as well, the only lyrica being "I'm having a heart attack. Also, "Dig My Grave," the closest that the Giants come to hard industrial music, was played to the delight of the intensely fun crowd in the pit. This concert was not for the weak.

About the only popular track the Giants did not play was "Spider," a song" that is less than a minute long and makes absolutely no sense.

Despite that some fans bloodied their vocal chords by yelling "Spider!" in hopes that the Giants would play it, the Giants refrained. They did, however, have the Stump Session - someone from the crowd would yell a song not played by the Giants, and the group would come up with their own spontaneous version of the song and play it. The Stump song for this concert was the

They Might Be Glants had a little something for everyone at the concert. Over the two hours that they performed, they played almost all popular tracks from their new album, and they also made their old fans happy by performing older Giants classics, like "Don't Get Start," In their second and final encore, the last song the group played was one of their best and widely known songs, called Istanbul (not Constantinople)." Incidentally, this is a favorite song among some flight instructors here

at Embry Riddle. Going to a They Might Be Giants concert is an experience that you simply cannot pass up. There is no way to feel more positive energy, unless an illegal substance is To perform this hit, the group involved. Anyone who is a fan of their music, enjoys concerts in gen-

CLARKES CORNER:

The Last of the Mohicans seems reminiscent of the Cliff's Notes

By George Clarke Diversions Movie Gritic

I have some friends up at the University of Tennessee in Knoxville, so I occasionally seek haven from my life as a social wallflower by zipping up north into Volunteer country.

While I'm there, I usually try to make a stop underneath a certain statue situated on campus-you see, right there in front of the great Neyland football stadium stands the figure of a man in a loincloth.

outstretched right fist holds a lit torch. The big legend on campus is that if a, well...chaste and virtuous student walks beneath the statue, the torch will go out temporarily, If said student goes on to graduate and remains chaste and virtuous, the flame will go out forever.

So what does this have to do with The Last of the Mohicans? Almost nothing, except that one scene of the movie involved some Huron Indians (the Bad Guys) looking for Corn and her little sister (the beroines) in a dark cave. They had on loincloths (the Indians, not the girls) and carried torches, I think the Hurons eventually found them; I'm not totally sure, because I was drifting in and out of sleep.

Based on the classic Cliffs Notes booklet. The Last of the Mohicans follows the exploits of Hawkeyea displaced settler-and his adopted Mohican father, Chingachgook. The two of them wander through the primeval forests of upstate New York in 1757, hunting game, bumming drink off of settlers, and generally leading a carefree life,

Things got crazy for Hawkeye when he gets caught up in the war between France and Britain, now

being fought in the Northeast. He Notes is a main character-after Chingatchgook's biological son) gated to being Hawkeye's yes-man, are charged with guiding the two daughters of a British General from the Big City to the General's fort. However, by the time the party arrives, the fort has been trashed by the French. Magua, a rogue Indian with ties to the French and a big chip on his shoulder, decides to make it his vendetta to kill the women, because their father in some way had a hand in the death of his family.

Hawkeye has to use all of his He's about ten feet tall, and his cunning to maneuver his way out of this mess, because now Magua's got the whole tribe after him and the girls.

But not even Hawkeye can fend off that many people, and eventually the group is cornered in a cave behind a waterfall. Hawkeye leaps into the torrent, and Cora and her sister are left to the devices of Magua and his toudies, who stroll in with loincloths and torches. Things look bleak, What happens

I didn't care.

I have a big problem with this movie. It's called character development, and The Last of the Mohicans has none. What the film needs is a reason for me to want to watch these guys strutting around.

The audience is never really introduced to Hawkeye (played overly tonguey-in-cheeky by Daniel My Left Foot Day-Lewis); indeed, I'm pretty sure we only hear the name Hawkeye once-five minutes before the film ends.

Cora, depicted by the edible Madeline Stowe, is a cardboard cutout who has no drive, ambinon, or purpose. And saddest of all, Chingatchgook, who in the Cliffs

and Chingatchgook (as well as all, he is the last Mohican-is rele-

Because of this unfamiliarity, nothing anyone does seems justified. Magua embarks on a threecolony killing spree to find these girls, and we only find out why toward the end of the movie; even then we're given some cheesy, convenient excuse for bringing in this antagonist. Hawkeye informs Cora that he will move heaven and earth for her love, although the only evidence of love is a brief kissing sequence; the two have almost no speaking lines throughout the entire movie. (I'm surprised Magua's torch didn't go out as he loomed over them in the cave).

There were some plusses. The scenery is absolutely beautiful; this is definitely a cinemascope film, And I'm a sucker for noble deaths. There are plenty of noble deaths in The Last of the Mohicans, (A Noble Death is when a lone hero, though facing utterly impossible odds and fully aware that he is going to be xlaughtered, charges the enemy hordes anyway). The battle scenes are well choreographed, too. And the costumes and period accouterments are real-

But The Last of the Mohicans doesn't work. That's sad, too, because I had looked forward to seeing it for a long time. I'm sure those of you who read the Cliffs Notes will like the film just fine, because you'll already have a preperception of who these characters are and what makes them tick. But as for me, I'm headed back up to UT. The last time I was up there, that statue's arm exploded; something about a gas leak. But I know

Sound Blaster Pro is mixed blessing

Soundblaster Pro is an expansion card available for IBM PC compatibles.

> By Joe Cambron Date Technology Enline

For those who do not already know it, Creative Labs now carries on the legacy of the now bankrupt Adlib company. Adlib, you may recall brought PC sound out of the stone age with its FM synthesis based expansion cards. These sound cards soon became the de facto standard for high quality, affordable PC sound.

As technology marched ahead, however, Adlib chose to sit back and milk its cash cow. Soon, a new product from Creative Labs had pushed the Adlib card from its throne. Higger and bolder

The new Sound Blaster card was born by adding digitized recording and play back to the FM synthesis generator present in Adlib cards. ironically, Adlib's name will live on as a result of the standard it created for what is now low quality sound. "Adlib compatible" is now stamped across every new sound board coming down the pike, including the Sound Blaster.

The initial Sound Blaster, now known as the 1.0 model, supposedly offered stereo (although it was rarely used and was deleted from later

Whatever the case, software developers embraced the new Sound Diaster, and it quickly replaced the Adlib as the standard in PC sound. Rougher and Tougher

As time went on, Creative Labs began to see higher end sound cards coming to market. The Pro Audio Spectrum, the Thunder Board, and Adlib's last major product-Adlib Gold-all came out in quick succes-

Meanwhile, however, Creative Labs was working closely with Microsoft over a new standard for Multi-media (the integration of computers, sound, and animution). It was decided that the Sound Blaster Prowould be the model for multimedia

The Sound Blaster Pro offers the sumo features as its earlier incurnation with the addition of higher sam-

mixer, CD-ROM interface, stereo operations both in FM synthesis and digitized sound modes and additional sound inputs.

Sampling Rates The Sound Blaster Pro can sample

at up to 44 KHz, which is compact disc quality. This is roughly three and a half times the quality of the regular Sound Blaster. In stereo record mode, however, the Sound Blaster Pro can only sample at 22 KHz per channel. As a frame of reference, the quality of the Sound Blaster is often compared with AM radio, while 22 KHz is closer to FM

Before your dreams turn toward turning your computer into a recording studio, there are two major obstacles to using the Sound Blaster's high sampling rate. At 44 KHz, a one minute recording requires roughly 2.6 megabytes of disk space. Manipulating these samples, changing the speed for instance, is also quite arduous without a Cray Supercomputer,

Also, guess what else is a problem at such a high sampling rate? Most hard drives cannot keep up with the data coming in from the Sound Blaster, leaving gaps in the record-

Theoretically, this should not happen because even the slowest hard drives operate at 500 kilobytes per second transfer and we are only asking for 44 kilobytes. Apparently, the problem lies in both devices having to share the computer's bus, this must reduce the hard drive data transfer rate tremendously.

In-line Mixer

This cute little option is more useful than you might think. It allows volume changes on the fly. In simple form, this manifests itself is being able to turn down your speaker's volume using software instead of a switch, but it has other applications.

Castle Wolfenstein (an excellent shareware shoot-'em-up game) is a good example of what this feature can do. With the older Sound Blaster, enemy soldiers would sound as if they were standing next to you when they opened a door two-thousand feet away. With the new Sound Blaster, these sounds become progressively louder until you confront the enemy. Previously, this would

> Hardware Review: The pling and play back rates, an in-line have required sampling a sound at several volume levels requiring too much disk space to be practical.

Sadly, as far as this reviewer can tell, you may not mix different sources while recording digitally. This is what most people believe the mixer accomplishes, but it is really an elaborate volume control. CD-ROM Interface

Well, its sort of a CD-ROM interface, If you have a Matsushita CD-ROM drive it must be great, but if you have any other brand, you would be just as well off hooking it up to a toothpick and a ball-point

If you want a real interface, buy a Pro-Audio Spectrum. It features a SCSI port that can handle up to eight devices from any manufacturer.

More sound The Sound Blaster Pro features full storeo which is in limited use by software manufacturers, but it is quite useful if you have a CD-ROM player hooked up.

In addition to CD sound, a oneeighth inch jack allows input from any playback device, a second similar jack is intended for use with a microphone, and finally an internal pin connector is available to connect your PC honker (speaker) to the Sound Blaster Pro.

Troubles

Well, the Sound Blaster Pro does have its share of drawbacks. A large warning advises owners "DO NOT ATTEMPT TO FIX CONNECTION YOURSELF" in reference to attaching the PC speaker cable to the Sound Blaster Pro.

This is despite the fact that the cable's five volts is probably not enough to electrocate a butterfly. Assuming you do learn how to connect the speaker cable against Creative Labs better judgment, you will find its honks deafening (they don't sound much better, but they certainly are louder). Sadly, the much hailed mixer does not seem to alter these tones.

The next problem concerns the sctup of the card. Like the Sound Blaster, the Sound Blaster Pro uses IRQ 7 as its default Interrupt Request Channel.

As you may know, almost every printer hooked up to a PC in America today also uses IRQ 7. Can you say "conflict?" Strangely



Sound Blaster Pro suffers from problems, but meets most expectations.

enough, this was never a problem with the old Sound Blaster, but now your cars can be treated to endless static and "reverb" if you use an HP compatible printer. Playing with the setting on the card can remedy this problem, but it will not be a fun experience.

Is there more, you say? Well, how about that nice CD-ROM audio input. Complete control of your CD-ROM sound and no more double sets of speakers (two for the CD-ROM and two for the sound card), NOT. Guess what Creative Labs did to encourage you to buy one of their specially high priced Matsushita

They reversed the four wires so that almost every CD-ROM player except the Matsushita falls silent when plugged into the Sound Blaster Pro. With some pliers, a pocket knife, some electrical tape and a wire crimper this problem can be remedied, but you should not have

There is still more. If you own a MIDI (a computerized piano type keyboard with a special connector) keyboard, you may be salivating over the chance to plug that into

your new Sound Blaster Pro, well guess again. At least the cable fits, but due to some bizarre interpretations of the MIDI standards by Creative Labs and Microsoft; it is quite likely that a song you create using trumpets, piano, and drums may mutate into a pan flute, a toba, and a harmonica for percussion.

Should you buy it?

It really depends upon your situation as to whether this is the right sound card for you. If you do not mind getting your hands a little dirty splicing cables and such, then most of these problems can be easily solved, but if you are the kind of person who must have an adapter for every incorrectly fitting plug forget If you are looking for a high-end

CD-ROM and sound card, then the Matsushita/Sound Blaster Pro Combo is a reasonable choice,

If you do not own a CD-ROM player and do not want to be tied to one CD-ROM maker, then the Pro-Audio Spectrum and its SCSI expansion bus is an excellent alternative.

The Sound Blaster Pro is available at Sam's Wholesale for \$184 with the optional MIDI kit.

Is it really
Out of
This World?

- Software Review: Out of This World is available IBM from the Interplay.

> By Joe Cambron Data Technology Editor

Out of This World is a new game from Interplay. It is hailed as a revelutionary, "virtual reality" game by its makers. While short of virtual reality, the game is quite different than most other modern adventure games.

Game play

Viewers are treated to an explanatory film to kick off the game, This film describes your character's plight in animated form. As the film begins, a young scientist is arriving at work in his sports car.

Sitting at a large console, the scientist runs a simulation of a nuclear experiment. After reviewing the outcome, the scientist activates the equipment and begins a real test,

Oatside, however, a strong storm is brewing and lighting is striking frequently.

At a critical point in the experiment, the lighting disrupts the test causing a malfunction that sends your character Out of Thix World. The game is very action oriented.

Immediately after being deposited in your new surroundings, you must decide how to save yourself from drowning. This dilemma is only the first of many, and all of them are solved

using the arrow keys and the space bar. These simplistic controls cause the game to require a great deal of manual dexterity. Running, skipping, rolling, jump-

ing, crouching, firing, and other motions are all possible using these five keys.

Requirements

The game requires just a couple of megabytes of disk space, despite its extensive nature. A Sound Blaster is not required, but adds immensely to the game.

see World, page BB

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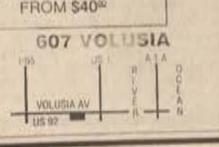
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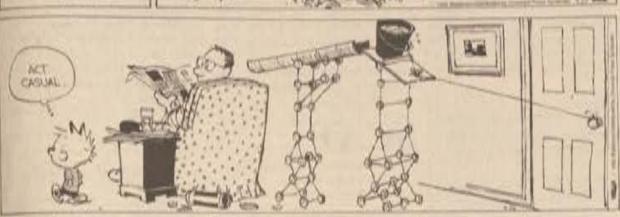


Far Side





Suddenly, the cops stepped into the clearing,





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TO GO THROXGH LIFE?











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TO THINK ABOUT

ANTHUNG THAT UNPLEASANT





in the early days, living in their squalid apartment.

all three shared dreams of success. In the end, however, Bob the Spoon and Ernie the Fork wound up in an old silverware drawer and only Mac went on to fame and fortune.



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"AAAAAAAAAA! It's Sid! Someone snuffed him!"

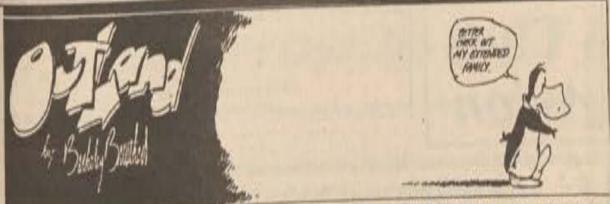
by Mike Peters

Outland

CHAY! SIT DOWN,

by Berkeley Breathed

THE REPVECICANS WERE









Mother Goose and Grim







By Jason Piper

Well another busy week has gone by. Everyone is still doing fine, I can't say the same thing for my fish. though, I know now they are definitely brain damaged. They swim into the side of the tank and bash their heads into the glass; guess they like the buzz.

We are pleased to announce that we have extended 16 bids for the fall '92 semester.



By Boyd Kelly Factorial Public /Intelligent Character

Well, of course, I can only start off in the beginning. This is it.

Shelly asked me not to rag on the Alpha Xi Delta's, but I don't know if I can leave it alone.

I had completely ruined the whole thing and everybody was pretty

Well, everybody except Jacki. 5he called and gave me their sob story for fifteen minutes and I fell for it. Now everyone is upset with me. She did promise a better social there won't be a next time!

Lucky for us The Ren & Stimpy Show is re-run each week on

Saturday night at 9. On a lighter note (again Bullwinkle), Sigma Chi pulled through for some of us and using the combined efforts of two struggling parties, the evening turned out better than bad, it was good!

Our football season has started with great success. We had a great victory against the vets club this past Sunday. The defense did a great job. The final score was 24 to 8. I'd like to thank Sam Greco for putting in all the time to whip the team into shape. it's a thankless job. So, keep showing up to practice and working hard, and we'll keep the winning streak

Congratulations to Jason M. for receiving his instrument rating. Happy Birthday to Jim Pawson, Sam Newberry and Myself.

Friday's party left the girls wet and the house water-logged, We expect to have it dry by this time and Bill France Drive. Turn out for the upcoming school year. next year, it kinds made the sponge seem like a real minor incident.

It's amazing that the water bill is always so high. Not to mention the all too familiar cry of the night, "Wait, I'm not here with them!" (as a five gallon bucket of water crashes over her head).

Kudos to Dad for trying to stop the world's biggest water pistol fight in history. It really is like trying to stop a riot.

To our pledges, I welcome you next time, but if the decree handed and commend you on your cleaning down by our exalted Lafonte sticks, and creativity. You did an excellent job of decorating the house for the Alpha Xi Delta's party, I'm sorry they couldn't show up to appreciate

Speaking of pledges, there is a weight-oriented competition going on that you should be in on. Check with Brother Stoffler for details.

So brings close another article and another month. Lets hear it for October!

Aerospace Society

By Joshua Mussat Club Historian

The Embry-Riddle Aerospace Society will be having its next meeting tonight at 7:30 p.m. in room E-611. Tonight's guest speaker will be Dr. Fleck. He will be talking to us so mark your calendar. The exact cost about the wonders of astronomy. Hopefully, we will be able to view the nighttime sky including the Moon Alicia is still collecting dues. The and Saturn and its rings. Special thanks to Stephanie and Alicia of the speech on Space Station Freedom next two weeks. The cost will be ing of: last week. Upcoming events include a \$6,00.

trip to Wet 'n Wild in Orlando on Saturday, October 3, The special reduced club cost will be \$13.40. Please pay Alicia tonight if you wish to go with us. Our trip to the Kennedy Space Center has been rescheduled to Saturday October 24, of the trip has yet to be determined, but I'm sure it will be a bargain! So, cost is just \$5 per semester or 59 for the school year. Money is also being

By Nicole L. Malloy Public Attains Officer

On September 19, 1992, The Arnold Air Society participated in the Adopt-a-Highway program. The members started clearing the roadside of trash and debris early in the morning about 9:00 and was completed at 11:00.

The Society participates in this to improve the community for everyone to enjoy. The society cleared Volusia Ave. of all sorts of trash ranging from paper cups to car parts. Starting at the intersection of Volusia Ave. and Clyde Morris, the members cleaned all the Way down to the intersection of Volusia Ave.

By Jay Wayne

Congratulations to our new pledges. I hope we have all recovered from the cermonies and evenus over the weekend.

potato and our long lost Halifax out a full load, or, one who acts as a House Maid. We must now look for- Deadhead

the event was promising.

The members that participated were: Rhonda Brown, Tora Gore, Thomas Hausen, Blake Jeffries, John Morales, Arnold Rodriguez, Chris Scarborough, Kelly Spires, and Dave Tenenbaum.

Arnold Air Society participates in the Adopt a Highway program once a month. Participating in the Adopta-Highway program is one of the many ways the Society gives back to the community.

Society is to serve the community, cussed, Applications are available in for any questions, Thank You! Air Porce ROTC, and Embry-Riddle Aeronautical University. Through Adopt-a-Highway and other programs Arnold Air Society continues to serve the community throughout

ward with great anticipation to Greek Week when our Top Secret, High Tech Chariot will debut, 1 believe House will be our chariot rider, correct ?

Anyway, I hope we can all learn from Greek Week in the past; TOGA! Let's all just have fun. One Including the visit from the couch last note. Deadhead: To return with-

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

check procedures provides the final rings, causing a calastrophic explo-

The Avion reserves the right to edit all submitted copy. For more information stop by or call the Avion office at (904) 226-6049.

Ninety Nines

By Jennifer L. Warren

Manthe

Get ready for a great semester! The Ninety Nines are back and going stronger than ever, thanks to the abundant interest of both our continuing and new members. We Speaker's Bureau for the informative collected for the paining during the have a new executive board consist-

President - Theresa Powell

fully meets seal requirements.

seals, and between the capture fea-

assurance that the assembled booster sion.

NASA redesigned the joints

between the booster's four fuel seg-

Vice President - Evening Dupre Secretary - Melissa Washburn Treasurer - Jennifer Warren

We are all looking forward to the trip to McDill Air Force Base, New ymrna Airshow, and the booth with all those trick-or-treaters on Halloween at Castle Adventure, Our next meeting will be on October 7th in the library, room 157. New members are always welcome, so come by and see what we're all about?

The Space Shuttle Challenger ture and primary scals. These follow was destroyed with its seven person covered during an o-ring test since on checks are performed only after crew on January 28, 1986 when shuttle flights resumed in September passing the initial leak check. flames from one of the solid rocket Successful completion of the leak boosters burned through two o-

> The STS-53 mission is currently targeted for a mid-November ments, adding a third o-ring and a launch. Impact of the destacking activities on the launch are still Challenger accident. NASA also being assessed. Discovery's 15th created a leak test that is 13 times flight will be carrying a department of defense payload into orbit. stricter than the pre-Challenger test. Official said the leak found last Discovery has been undergoing

> > it last flew in January.

Join The Avion

By Lisa Combs

Omicron Delta Kappa is currently accepting applications for memberthip. A reception will be held on Thursday October 1, 1992 at 7:00 p.m. in the Student Center Conference Room, ODK student and Faculty members will be there to answer any of your questions. Eligibility requirements and the The whole purpose of Arnold Air applications process will be dis-

the Student Activities ODK box and are due no later than 4:00 p.m. Friday October 9, 1992.

ATTENTION ALL VOLLEY-BALL Players, a practice will be held on Sunday the 27th at 5:00 p.m. on the ERAU volleyball courts, All members are invited! The First two games went well considering our experience (we got demolished). But we have a lot more games to play so get involved and help us practice.

Don't forget ODK Movie Night will be this Friday. Contact Carlos

Rugby Club

By Brandon Denzer

lost a hard-fought match against the center, all scored under the neutral University of Florida Gators scrutiny of the official, John Jupin Saturday by a score of 12 to 17. Scoring for Riddle were Mason Thompson, center, with a 20 yard run, and Tony Potter, forward, with a goal-line leap, The Riddle team anacked strongly during the later portion of the first half, gaining solid ground, only to be halted by a replacement team brought on for the second half. Embry-Riddle's record now stands at 1 - 1 - 1.

The Daytona Beach Rugby Club played a competitive match leaving the host team Gainesville pondering a 19 to 8 defeat. Jeff Pager, prop. The Embry-Riddle Rugby Club Rob Fergus, wing, and Mike Duprie, followed with 2 conversions. DBRC's record is now 3 and 0 and the team is well on its way to the state tournament.

Both teams will play at home Saturday, October 3, against Tampa Bay. Come out and see some great action and some outstanding calls; all under the glistening moon of a rookie. Now, a moment of silence for the forwards,

SCAT

Special To The Amon

Welcome to SCAT CHAT, The Society of Commercial Aviation Technicians held it's first meeting Thursday, Sept. 10th, to standing room only.

The first meeting consisted of registration for new and returning members, a survey to determine possible destinations for field trips, and election of officers.

The preliminary roster totaled 72 members with late sign-ups still taking place.

A survey was handed out with 6 possible destinations for field trips. We'll keep you posted when we find out exact dates and times. By the time this article goes to print we should have it narrowed down.

Open elections were held to: fill the President's position which hours or track down an officer for became available when former

President Mark Cooper graduated this summer.

Congratulations to Gene Zastera the new SCAT President moving from the Public Relations spot and to David Bunin who now holds the Public Relations office. he next upcoming event will be

the SCAT picnic. During the meeting we took a vote to have it on Saturday, Oct. 3rd or Sunday, Oct. 4th. The 3rd was decided at the meeting, but we've discovered it conflicts with the Ski Club's activities on Saturday and the planned use of the Ski-boat.

Therefore, the pienic date has been changed to Sunday, October 4th at Lake Ashby. You should find a memo with directions and the exact time for the picnic.

For those of you still pendering, it's not too late to sign up. Stop by Mc. Venburyls office during office details.

Discovery (continued from page B2)

about four feet long, about a half 1988.

inch wide and "U" shaped. Potential causes for leaks could include debris, contamination or improper scating of the o-ring, Cleanliness and contamination control precautions are emphasized during the assembly procedure and have been effective for the previous 150 field joint assemblies for the 25 flights of the redesigned solid rocket

all field joints as part of the assem-

World (dontinued from page B4)

game play is not hindered without Saving/loading

This game is probably the only adventure that does not allow the game player to save games. This is a mixed blessing. This results in enormous frustration at times, but pre- endlessly to complete a level. vents players from saving and Overall

The test includes imposing high-

bly process in stacking the boosters

for flight. This was the first leak dis-

pressure nitrogen gas at 1,000 psi, about the same pressure produced during flight, between the secondary and primary o-ring seals.

Engineers monitor for any pressure increases between the capture rubber seal to each joint after the feature seal and the primary. If any changes in pressure are noted during this test, the primary seal is suspect and fails the test. Leak checks are The leak check is performed on also performed at lower pressures, week would never have been detects inspections and modifications since between the secondary and primary

reloading the game after completing

a difficult section task.

Happily, only saving is not possi-A joystick is also optional, but ble, Loading is accomplished in a similar fashion to the game Lemmings. When you reach certain points, a four letter code is displayed which can be used to load the game to that point. The codes are infrequent, though, and still force a player to replay portions of the game

ed using the pre-Challenger test. The game obviously does not

offer motion or outside stimulus so it does not truly qualify as a virtual reality effort, but despite this the game meets almost every expectation. It is in a different league than almost every other adventure game, and really seems more akin to an action arcade game. The animated, sixteen color graphics are similar to Leisure Suit Larry, but offer an action format that supersedes that

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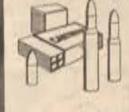
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1986 Nissan Sentra, 5 apd., A/C, P/S, looks and drives great, must sell \$2900. Call 253-

1983 Suruki GS550L, less than 8,000 miles, new brakes, recent time up, cheap transportation. A steal at \$825. Call 788-4972 leave message if no answer.

→ Roommates

Female wanted to share large house in Port. Orange, \$250 and 1/2 utilities. Call Doug

Port Orange female needs roommate, master bedroom with private entrance, private bath, A/C, washer, dryer, built in pool, fireplace. screened porch, targe yard, huge kitchen, cable, the works. \$350 includes all, Call 750-

Roommets needed, female preferred, big. beautiful frome, all new in and out, 2 bedrooms available, \$200 and \$250 month plus I/4 utilities, washer and dryer, cable, 2 car garage. Call 238-2535.

Roommate wanted male or female, share 2 bedroom apartment, fully furnished except your bedroom, I bath, A.C., heat, DW, cable, garbage disposal, 5 miles from campus, 5250 covers mot and bills. Call 761-9882, leave message for Mark.

House to share, quiet Port Orange. neighborhood, 3 bedroom, 2 bath, fully furnished, micro, cable, washer, dryer, 10 min. to school, \$235 per month, 1/3 utilities. Call Paul 756-0419 or 788-8870.

> Misc. for sale

AMPEC V4B head and SVT 8 xpeaker cabinet, 5400. Call (904) 441-1706.

Sig P226 9mm semi-auto, k-kore, trition. right sights, two fifteen round magazines, 6 months old, still in the box. \$550 O.B.O. Call.

386 DX 25 Mhz, 1.44 and 1.2 F.D., 40 meg HD, 1024X768 VGA, 4 meg rum, Dox 5.0, 1P, 28, 1GP, keyboard ate, 51200 O.B.O. 257-2472 or box 6736.

Realistic Pro 2004 300 channel programmable scanner, aircraft, weather, military, sivil, etc. \$450 new, best offer, call

Exercise bicycle, good condition, \$25 O.B.O. Call 756-7557.

Clarion 720 graphic equalizer, cross over, sub-output, and level controls, 7-band surround-sound and time delay circuits, \$115. Contact Fred at 322-2710 or box 7272.

Leather flight jacket size 38R, \$150 new, best offer. Call 253-0488.

Queen size waterbed and shorts for \$100.

.22 Smith and Wasson model 422, blue Finish, 6 inch Barrel, extra 10 round clips, and case. \$200 contact Shawn at best 1112 or call 760-3166.

Hide a bed couch, good/fair condition \$15. Consci Chris 761-9882.

Queenaize waterbed, padded rails, semiwaveless mattress, heater etc. great condition \$150 OBO, deak \$25, beckenne \$25. Call Jonathan 788-7240.

Guns wanted. Buying all types, Call Kon-

Weider # B-420 weight bench and weights. Like new, rarely used. \$75,00, OHO, Call

Flight Instruction at Daytona Beach, Lowest rates in rown, \$42,00/Hr for C-152, Includes gas and instruction. Get your private nstrument, commercial, CFL Call Manny (407) 574-1645

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 Avian office at (904) 226-6049.

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Upgrade your existing computer to a 386DX with the fartest 386 available: 40 Miss. 64K cache, up to 32 megabyte capacity, free installation. Just \$255, Lv. Meg. 238-7355

385 DX-25 Mbz, 1.44 & 1.2 F.D., 40 Meg H.D., 1024 x 768 YGA, 4 Meg RAM, DOS 5.0 1P, 25, 1 G.P. Keyboard etc. 5 1200 OHO, Contact Cliff at 257-2472 or Box 6736 Excellent kitchen table hardwood look and fml, 565, 756-1494.

Miscellaneous

Professional Flight Instruction at Daytona Heach International. Train in a variety of aircraft at guaranteed lowest rates. All certificates and rating given. Contact Zak Rizni, CPII for more information 239-9487.

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Noed Affordable flight time? Alumni has C-150 for rent. Cross country or local flights 535/hr. Includes instructor. Call 441-2008. Ask for Nick

Flight Instruction: C-152 38.50/ hr, C-172 54E.00 hr. Instructor \$14.00 hr. Free ground for written test, Private, Instrument, Commercial New Smyrna. Call Rsy 322-

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Personals

in the Avion office.

JAYCE

LAURA LOPRETT(7) If that is your name. I've been looking for you. I haven't seen you since you walked through the door at the circulation deak in the library. I didn't expect my friends to bother you in the computer lab either. If you're still interested, let's get together! You can find me

TO THE TEXAS BLONDE It would be great if you came back, but I might not be here when you get back.

How can I express it 7... How can I show it?. Although you know how much I love you. I just wish I could express it. I hope you are a blassing for the rest of my life. I'll love you In His Love, Prin

Whoever hit the grey Nissan 240 the week of 9/14; Please call 258-0935, INS, will not cover. No Questions.

LAMBDA CHI ALPHA Thanks for all the help with our Risk THETA PHI ALPHA

JENNIFER AND SASHA Liquor before beer, never fear. Hear before liquor, never sicker. You proved this theory to the fullest. Even with all the excitement you still seem like fun girls. If you would like an evening to remember, reply in the

THE DRIVERS P. S. Did you forget anything?

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Notices

Jogging Club looking for new members

The Daytona Beach Hash House Hamen is NOT a running club that socializes, but a social club that nins, Experience a different way to see Daytona and its surroundings. In New Smyrna, Ponce Inlet and Flagler. We have even run through the Volusia Mall, tropical forests throughout the county, beaches, the jungle and rivers of Tomoka State Park. We have also run along the Boardwalk, the balconies of the you won't see typical joggers.

What is a hash?

Hashing involves following a scenic trail marked in piles of flour and chalk arrows leading to an unknown ending location which is noted by the sight of a beer keg. Hashing is strickly non-competitive and very social. Short-cutting is not only allowed - but encouraged! Runners, joggers and walkers are

The trail is designed to keep Previously we have run nature trails everyone together regardless of individual pace by the use of false traits, loops, and beer/water stops. Join the fastest spreading club in the world there are now "hashes" estab- Place will be announced ded in over 125 countries since its beginnings in the Far East in 1938.

There are hashes every week Marriot, and just about anywhere alternating between Saturday evenings and Monday evenings

somewhere unique in the Daytona Beach and surrounding area. On Saturday evenings, hashers get together at a local bar/restaurant after the keg is drained. On Monday evenings, the hashes are shorter and food as well as refreshments and beer is available.

UPCOMING SCHEDULE (No need to arrive earlier than

sted times) Call Jody Burch 226-6830 (wk), 239-0357(hm) or Mark Acton 788-7185 (hm) 257-150 (wk) Monday, October 5th - 6:00

Saturday, October 10th Place will be announced

International Day coming

The office of the International Student Services at Embry-Riddle Aeronautical University invites you to attend the annual "International Day" hosted by international students representing 81 countries from around the world on Saturday, October 24th, from 1:00 p.m. - 5:00 p.m. in the John Paul Riddle Center on campus. Admission; \$1 donation to International Student Scholarship Fund. Children under 12 are admit-

displays of cultural artifacts, and behaviors. Twenty IFR rated pilots possible!

Don't miss an opportunity to broaden your horizons and enjoy an International Day!

provide a program of entertainment.

UCF finishes experiments at ERAU

The University of Central Florida's Team Performance Lab is pleased to announce that its summerlong flight experiment at ERAU has been completed. The purpose of this experiment was to investigate International students will share the effects of increasing workloads the tradition and customs of their vs. consistent workload on the help our staff out. Thanks again to cultures with a sale of ethnic foods development of crew coordination everyone who made this experiment

comprising 10 two-person crews were required to complete questionnaire's regarding the workload levels of each flight. All flights were completed on a commercially available PC-based flight simulator. The data collected from this project are currently being analyzed.

The UCF Team Performed Lab would like to thank all the pilots. who participated in the experiment, as well as the entire staff of the Airway Science Department at ERAU for their generous assistance in the recruiting and scheduling of pilots for the experiment. In particular, Dr. Connolly, Julie Larcher, Lori Morsi, and Scott Spaulding went well beyond the call of duty to

Allen

Tomorrow at 8:30 in the Student Center

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