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SPACE TECHNOLOGY

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ARIANESPACE will launch two communication satellites | Magnetic sail will allow

By Joshua S. Mussaf Space Technology Reporter

This evening, an Ariane 44 L launch vehicle will launch into space with two satellites aboard at 8:15 p.m., 6:15 p.m. local time. The French space agency and the commercial space corporation, Arianespace, will oversee the launch of the vehicle.

The 49th Ariane launch is to place the Superbird-B1 and Arabsat-IC satellites into a geostationary transfer orbit using the Ariane 44 L launch vehicle equipped with four liquid strapon boosters and the Ariane Dual Launch system. This will be the 21st launch of an Ariane 4 and the 11th in the Ariane 44 L configuration. The Ariane vehicle will be launched from the Ariane launch complex in Kourou, French Guiana in South America.

The Superbird-B1 satellite is the third spacecraft built for Space Communications Corporation of Japan. When fully operational, the satellite will provide Japan and the North Pacific region with high power coverage and flexible multiband operation.

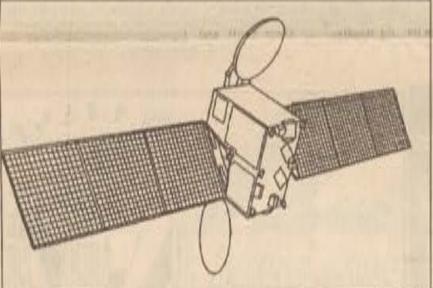
The Suberbird-B1 satellite will separate from the Ariane vehicle 20 minutes, 23 seconds after launch. The first acquisition of data will be obtained approximately 40 minutes after liftoff. The satellite will be located in orbit at 162 degrees East, over the Pacific Ocean. It is designed for a nominal 10 year life

This is actually the third Superbird-B1 satellite, after two previous launch failures in 1990 and 1991. The first failure on Ariano flight 36 in February 1990 was attributed to human error.

The Arabsat-IC satellite is the third spacecraft of the Arabsat's first generation space segment delivered by Aerospatiale of

The satellite will provide telecommunications and television service for the 21 countries of the Arab League, The Arabsat-IC satellite will separate from the Ariane launch vehicle 25 minutes, 19 seconds after launch. The first acquisition of data from the satellite will be obtained about 31 minutes after liftoff. The satellite will be positioned in orbit 31 degrees East, over East Africa. The satellite has a seven year life span. The satellite will be able to carry 8,000 telephone circuits plus seven TV pro-





the 49th mission of the Ariane commercial lift vehicle (top) from its launch site located in Kourou, French Guiana in South America. Ariane will launch the SUPERBIRD-B1 (left) and the ARIBSAT-1C communications satellites during this mission.

The mission will last for about 28 minutes, 10 seconds after liftoff.

efficient travel to Mars

By Ronald Hess Space Technology Reporter

It is very conceivable that the next step in space exploration is interplanetary expeditions. Everyone is talking about going to Mars. The only problem is, how do we get there?

This is a very perplexing ques-tion, especially if thinking is limited to rocket propulsion techniques currently available or that will be in the near future. While other scientists are busy calculating thrust-to-weight ratios, fuel consumption and perspective launch window times for answers to interplanetary travel, scientists at Martin Marietta are turning their attention towards the past.

Martin's team of scientists have developed a technique for exploring our solar system much like the great explorers of the past once did, by sailing. The plan calls for discarding the fuel tanks for a more traditional method, riding the solar wind.

Narrow minds would have the world believe that there are no energy sources to tap from, thus the necessity for rocket fuel. But thanks to the constant nuclear fusion reactions occurring in the Sun, space is not so barren and empty.

The Sun constantly emits a stream of plasma outwards in all directions, This blowing solar 'wind' is a cloud of charged particles, mainly protons and electrons, which travel at a speed of 400 to 600 kilometers per second. The objective is to harness this ever-present wind and use it as propulsion, much like the sailing ships of the past. But here the analogy between past and future ends.

Billowing sails are replaced by a powerful magnetic field. When the particle wind smashes into the magnetic field, it exerts a pressure, driving the spacecraft forward, hence the crafts are called 'magsails.'

The magnetic field of the magsail may be created with today's technology. The major component is a superconducting cable. When an electric current is entered into the loop of superconducting cable, it will run indefinitely, continually charging the 'sail,'

One slight drawback that is easily overcome, is the fact that current seems that the old ways might just superconductors only operate at be the best ways. Magsails seem the temperatures close to absolute zero (zero Kelvin or -273 degrees Celsius). Fortunately, the ambient children may explore other planets temperature of interstellar space is 2.7 Kelvin (approximately -270 other continents, by the wind, degrees Celsius). The only problem

involves interplanetary space. which, at warmer temperatures, will require new high temperature superconductors.

Construction of magsails is quite simple. The only requirement is a loop of superconducting cable. Charging the loop will initiate the magnetic field causing the loop to take a rigid shape. The size of the loop determines the size of the sail.

The final appearance of the magsail is in the form of a wagon wheel. The hub consists of a spacecraft which can contain cargo or passengers. Radiating outwards from the ship are tethers which anchor the craft to the enormous cable loop.

Once the ship is deployed, speed and direction are regulated by the current through the cable. The greater the current, the larger the magnetic field, thus the greater the push through space.

When traveling to other planets, the magsail can travel to a point along the planet's orbit. The current can be readjusted so that the craft may achieve a circular orbit around

Then the craft can wait in the orbit until the planet overtakes it. This reduces the necessity for projecting ballistic launch windows required for fueled flights,

Another significant benefit of the magsail is the protection it provides. The greatest concern scientists have for interplanetary travel is exposure to solar radiation. But the magnetic field of the magsail would shield its passengers from solar flares just as the Earth's magnetosphere shields

Another benefit of the use of magsails is cargo space. Many designs of spacecraft to be used for Mars missions are severely hampered by the amount of cargo space. For a magsail, space that is normally required for propellants may be replaced by additional cargo and supplies.

Magsails may seem feasible for inter-planetary and -stellar exploration, but they are not realistic for human travel to other solar systems. That is another bridge which will be crossed a lot further down the road.

But for today's spacefarers, it most practical method of traveling between the planets. Perhaps our much like our forefathers explored

SPACE **UPDATE**

February 20...

Marked the 30th anniversary of the first American to orbit the Earth. John Glenn orbited the Earth three times in the Mercury spacecraft named Friendship 7.

February 24...

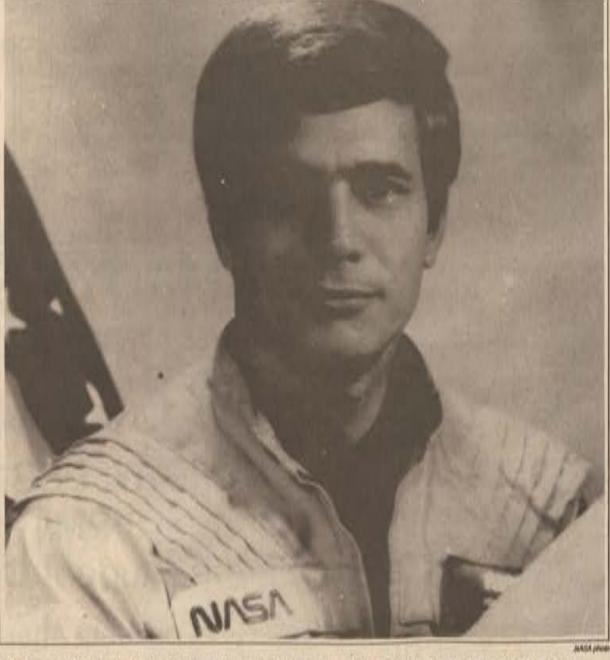
At 5:29 p.m., a Delta II rocket lifted off from Cape Canaveral Air Force station carrying a Nav Star global positioning satellita Into Orbit.

February 27...

An ATLAS rocket is scheduled to lift off from the Cape Canaveral Air Force Station at 6:08 p.m.

NEW RECORD SET

While Atlantis was preparing for its next mission in March, a new record was set in the Vehicle assembly Building (VAB). The record was for the amount of time needed to prepare a shuttle for launch. The new record is 55 days, beating the previous record of 60 days which was also set by Atlantis back in 1991.



Air Force Colonel John Blaha (above) will visit Embry-Riddle to Introduce the Space Studies minor and provide students with first hand information about space, space flight

and the astronaut corps. Col. Blaha was the pilot of STS-29, STS-33 and STS-43. He has logged over 453 hours in space.

Shuttle Commander to visit Embry-Riddle

By Nick Simatos Assistant Professor AS, FT

On Tuesday, March 10, Embry-Riddle students will have a unique opportunity to hear a Space Shuttle Astronaut Commander speak, NASA Space Shuttle Commander, John Blaha, a Colonel in the U.S. Air Force, will speak to ERAU students, staff and faculty. The Student Government Association (SGA) sponsored event will be held at 8 p.m. in the John Paul Riddle Student.

Astronaut John Blaha will visit the ERAU campus at the invitation of the Aeronautical Science Department to introduce the new Space Studies minor and provide students with firsthand information about space, space flight and the astronaut corps from an astronaut's viewpoint. The visit will accent the International Space Year events at ERAU and across Florida, the United States and around the world.

Col. Blaha, who has logged 5,500 hours of flying time in 34 different aircraft, was selected as an astronaut in May 1980. He was assigned to the Space Shuttle ascent/entry development team, and led the design, development and integration of the Orbiter Head Up Display System.

In January 1985, he was assigned as the pilot of the STS-61H mission scheduled to launch in June 1986. Following the Challenger accident, he was assigned to the Orbiter Project Office, and made significant contributions to many Space Shuttle hardware modifications. During this period he also led the development of contingency abort procedures

which significantly improve crew survivability in the event of multiple main engine failures during ascent.

In February 1988, Col. Blaha was assigned as the pilot of STS-29. The five man crew launched on the Space Shuttle Discovery on March 13, 1989, and landed at Edwards Air Force Base on March 18, 1989. During this mission the crew deployed a Tracking and Data Relay Satellite, and performed eight scientific/medical experiments.

Col. Blaha also was the pilot on the crew of STS-33 which launched at night from Kennedy Space Center, Florida, on November 22, 1989, aboard the Space Shuttle Discovery. The five day mission carried Department of Defense and other secondary payloads.

More recently, Col. Blaha commanded the crew of STS-43 aboard the Orbiter Atlantis. The nine-day mission launched from the Kennedy Space Center, Florida, on August 2, 1991. During the flightcrew members deployed the fifth Tracking and Data Relay Satellite (TDRS-E), in addition to conducting 32 physical, material and life science experiments, mostly relating to the Extended-Duration Orbiter and Space Station Freedom.

With the completion of this third space mission, Col. Blaha has logged over 453 hours in space. He also has recently been named as the "NASA Astronaut of the Year." Some of Col. Blaha's other bonors include the Air Force distinguished Flying Cross, the British Air Force Cross, the Vietnam Cross of

See Astronaut page B5...

Nissan engine powers the Pond Racer

By Jon Elchelberger Mechanical Technology Editor

Robert Pond decided to save the historic old warbirds from the Reno Air Races by building a plane for the soul purpose of racing. He contracted Burt Rutan and Scaled Composite to develop a prototype that will race and hopefully win at Reno someday.

The powerplant for the Pond Racer needed to be powerful and have a substantial parts supply. The two engines need to produce a thousand horsepower each (two thousand horsepower is consider necessary to win at Reno), and Pond wanted the plane to have the advantage of availability of parts that the warbirds did not have.

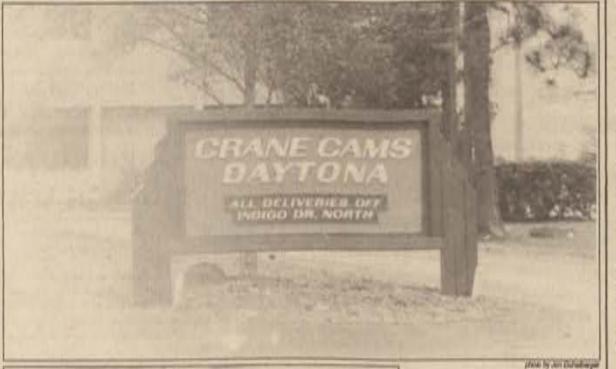
They picked Electramotive, a motorsport engine developer in Vista, California, to provide the engines and the gearboxes. They are a subsidiary of Nissan that provides engines for their GTP race cars that raced here in the 24 hour race.

They are the VG30 engines that are based on the Nissan block used in the 300ZX and Maxima. The engine is liquid-cooled with a single overhead cam, two valves per cylinder, and displaces 3.2 liters. The twin turbochargers boost the engine to 110 H.g. at 8000 r.p.m. to give the engines their thousand borsepower.

The race car version of these engines only hit 750 h.p. and only for short periods of time on long straight aways. At Reno, these engines will be running flat out for 15 minutes, so reliability is a big concern with the engines.

The engines are packed into a two foot diameter, five foot long nacelles. They are mounted to the controls. airframe and the cowling skin are a load bearing part of the engine

It took a year to develop a gearbox that would bring the 8,000 r.p.m. to a propeller speed of 2,000 r.p.m. The four blade propellers are 80 inches in diameter and is a King thin tips are designed to run at 98



Crane Cams headquarters here at Daytona Beach, is where all product development and production is done (above). They have a one hundred and fifty thousand foot production facility along with their marketing and product development. Crane Cams offers tours of their facilities on Tuesday and Thursday; call to make an appointment.

> The Interceptor (left) is the newest product offering from Crane, that offers the ability to modify fuel and spark timing on a car.

percent the speed of sound.

The engines are electronically controlled and takes into account temperature, pressure data and the inputs from the throttle and prop

Then the computers choose the needed boost, and the duration and timing of the spark and injection, to get the most power out of the engine. Although, the computer does not monitor an important aspect the plane needs - air density.

The Pond Racer uses methanol Air prop modified by Hartzell, The fuel because it does not detonate. This allows the engines to run at the

high boost needed to generate the necessary horsepower. Methanol also burns over a wider range of mixtures, so excess methanol can be used to help cool the engine.

Problems have persisted with the Pond Racer, Methanol burns two times faster than does gasoline, meaning more weight is added for the additional fuel.

Methanol is also very corrolive; the structure had to made with a specorrosiveness. Another problem was with the overheating of the engine because of it being compacted into

its small area. The cooling system is put to the test during the 15 minutes of racing.

When the Pond Racer went to Reno, the problems continued for Pond and Rutan. They were unable to finished a heat race because of engine problems that sent oil spilling onto the airframe.

More refinement is needed before the Pond Racer is a major competitor and can challenge the speed cial epoxy that could with-stand this record of the Grumman Bearcat, Rare Bear, that reached 459 knots.

By Jon Elchelberger Mechanical Technology Editor

Crane Cams, whose office is located here in Daytona Beach, has introduced a new product for use with the Ford EEC-IV computer for the late model 5.0 liter V8. The Interceptor is an engine management system that does not replace, but works with the EEC-IV computer.

The Interceptor is placed between the engine management computer and the engine. It reads the inputs and outputs of the stock system without interference until the user modifies them. The EEC-IV is used as a base for the interceptor to begin calibrations.

This is a different approach than other companies, who just replace the existing computer management system with their own. Then they spend hours calibrating a baseline for that specific engine type.

The Interceptor saves time because it uses the stock system as its base, and does not have to be change for different vehicle combinations.

Modifications are made easily with the use of the control pad that has 20 keys and a display screen. Choose between changing fuel mixture or ignition timing, pick the

keys necessary to increase or decrease what you are changing These changes can be made while you are driving or after you have done some driving.

Several calibrations can be stored and recalled for later use, adding versatility to your car's performance Calibrations that can range from maximum engine output to a more economical output can be recalled as the driver's discretion.

Engine operations can be monitored with the display panel, which shows r.p.m., spark timing, percent. age of fuel available, throule position, open or close loop, and fuel mixture - rich or lean. The engine monitordisplays only in real time.

The Interceptor comes with a boost processor for engines with turbo or superchargers, along with a nitrous control unit and a adjustable rev limiter.

The Interceptor is now available for the 5.0 liter V8, but can be modified for other engines with a Ford EEC-IV computer; it's just a matter of changing to the different connec-

Crane Cams is also considering working on applications for GM engines. The Interceptor is retailing for \$625 and will be available soon.

Automotive news corner

Ford has formed a special vehicle team made up car and truck enthusiasts, who will put together limited production cars and light trucks, This group will start with the Mustang, getting help from ASC and Rousch Engineering.

Ford will give the performance Mustang a Cobra badge, which is a ontinuation of the late 70's Cobra Mustangs. The goal is a power increase to 275 hp with upgrades in suspension, tires and wheels. Ford expects 5,000 units to be produced and sold to dealers.

GM is rumored to be developing another GTO car. It is said to be based on the Grand Am, with exterior styling upgrades. The engine may be the 3.4 liter V6, that once fitted in would be a potent combination.

Mazda, who has long been suc-

cessful in IMSA GTU racing, has put together a GTP car for this season. They were unable to get the car together for the Rolex 24 hour race. but got the car done Friday and was able to race at Miami last Sunday,

The RX-792P race car is powered by the same rotary engine that won at Le Mans and produces 625 h.p., The body is small compared to other GTP cars, Mazda has had 11 in IMSA GTU/GTO Manufacturers' Championships in 12 years, and is expected continued success in GTP,

Chrysler has finally introduced their new Jeep Grand Cherokee, The Cherokee is 7.5 inches longer and comes with the same 4,0 liter engine. Major refinements went to the Jeep's suspension and chassis. The Cherokee will range from \$19,000-\$27,000.

RESTAURANT

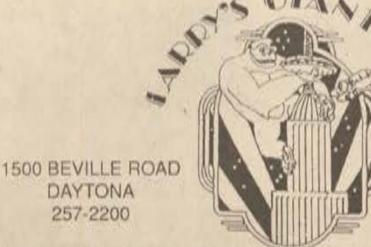


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Boeing makes major job cuts

SEATTLE (AP) - The Boeing Co. is cutting about 8,000 jobs this year but its chief executive says the acrospace giant remains healthy.

Boeing said Wednesday that 6,500 jobs would be eliminated in the Seattle area and another 1,500 at. its plant in Wichita, Kan. The jobs. will be eliminated through attrition and an unspecified number of lay-

Frank Shrontz, chairman and chief executive officer, said the cuts are not as drastic as those announced by many other companies during the recession, "so we're still basically

The reductions will include everyone from production workers to managers and cover all areas of operations, including commercial airplanes, defense and space, and computer services, according to Boeing spokesman Russ Young.

The long-term outlook for Boeing's defense businesses is uncertain, but prospects are good for its commercial side, Shrontz said. Building commercial jetliners accounts for 80 percent of Boeing's

The company said the job cuts are necessary following the cancellation of missile contracts by the Bush administration, the government's scaling back of the B-2 Stealth bomber program and changes in the market for commercial aircraft.

Last fall, the Bush administration cancelled three missile programs for which Boeing had contracts: the SRAM II short-range attack missile, the rail garrison basing program for the Peacekeeper ICBM, and the hard mobile launcher for the Midgetman missile. Bocing is also a major subcontractor to Northrop on the B-2, employing 8,000 people to build the outboard wings and fuselage.

The company has said it will lower production rates for its 737 commercial jets by one-third next October from 21 planes a month to 14 because of reduced demand for the twin-engine short-haul jet.

Economists said Boeing's numbers are bad news because each Boeing job is indirectly tied to three non-Boeing jobs.

A new approach







The Navy and the Air Force have recently received new aircraft for their respective training programs. The aircraft featured in the following pictures is the new T-45ts. The trainer is built in St. Louis by McDonnell Douglas. The picture at the top depicts the trainer in a trial landing on an aircraft carrier. The pictures to the left and at the bottom show the Goshawk at the rollout in the plant in St. Louis. The T-45 is going to be delivered to the Naval Air Station at Kingston, Texas after being tested at the Naval Air Test Center. The Goshawk is a light jet engined aircraft that will be used in the Navy's new training system, or T-45ts. The system is a fully integrated system with full contracted logistic help.

Navy accepts new trainer

ST. LOUIS, Jan. 23, 1992 -McDonnell Aircraft Co. today rolled out the first U.S. Navy T-45A Goshawk jet trainer built in St.

As the first production aircraft to incorporate a number of key improvements, the aircraft represents a significant milestone for the T-45 Training System (T45TS) program. Following a short test period substantially strengthened aircraft at the Naval Air Test Center in Patuxent River, Md., the aircraft will be delivered to Naval Air Station Kingsville, Texas, where the other elements of the T45TS are already in place.

'It is with great pride in the team that we offer this aircraft to the U.S. Navy as the first of what we are confident will be a fleet of superb airplanes to train our pilots well into ted wing to improve stall perforthe 21st century," said Robert H. Susie Jr., McDonnell Aircraft improvements to the speed brake, T45TS vice president and general manager, at the rollout ceremony.

"The T-45A Goshawk is now going to be the challenge that every Navy student in the strike pipeline must meet before he can wear the Navy wings of gold," said Capt. Richard H. Koehler, Navy program manager for the T45TS, after accepting it. "The Goshawk is truly representative of the highly sophisticated aircraft present in the fleet today... and, when coupled with its ground training system, will produce pilots second to none, Navy representatives attending the rollout ceremony included Undersecretary of the Navy J. Daniel Howard, Chief of Naval Education and Training Vice Adm. John Fetterman and Commander of Naval Air Systems Command Vice Adm. William Bowes. Also on hand were members of the British Parliament and Embassy. Major portions of the T-45A, a derivative of the British Aerospace Hawk, are manufactured in Great Britain.

The T45TS is the Navy's first totally integrated training system, combining computer-based academics, simulators, trainer aircraft, a Training Integration System and contractor logistic support. Training pilots is currently under way at class set to begin in January 1993.

Current Navy requirements call for 268 aircraft, to be based at NAS Kingsville and at Naval Air Station Meridian, Miss. The T45TS system also includes 24 simulators, 34 computer-based instructional systems, three Training Integration Systems and 200 associated computer terminals at the two training bases.

The T-45A rolled out today is a designed to withstand the rigors of undergraduate naval flight training. Following initial developmental testing/operational testing of the aircraft in 1988, the Navy had identified key areas which required improvement. Those changes, incorporated into the aircraft rolled out today, were developed and tested over the past three years. They include a movable slatmance, a more powerful engine, and longitudinal control lateral/directional stability systems. The company completed testing of the improvements in late 1990 and the Navy validated the changes in early 1991. By December 1991, the T-45 underwent initial carrier suitability testing aboard the USS Kennedy. A Navy operational evaluation is set to begin in the fall of

The T45TS program is currently staffed by approximately 1,400 McDonnell Douglas employees. Production rates stand at 12 per year, with a capacity for 48 aircraft per year. To date, the Navy has funded 36 production aircraft in addition to two development aircraft. McDonnell Douglas is prime contractor for the T45TS, British Aerospace serves as principal subcontractor for airframes. Rolls-Royce supplies the Adour 871 engine and Hughes Training provides the simulator.

Initially, the T-45A was built at Douglas Aircraft Co. in California. The program was transferred to McDonnell Aircraft in St. Louis during 1990 as part of a corporate-wide effort to conciliate large-airframe transport business at Douglas Aircraft and small-airframe tactical of the initial cadre of instructor and training sircraft at McDonnell Aircraft. The first four T-45A air-Kingsville, with the first student craft delivered to the Navy through 1990 were built at Douglas Aircraft.

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Arnold Air Society

By John S. Eubanks III

The Arnold Air Society is a professional organization that is affiliated with the Air Force Association.

The Gill Robb Wilson Squadron is located here at Embry-Riddle Air Force ROTC Detachment.

This semester AAS is once again participating in a variety of community projects.

Friday, members cooked and served lunch to the homeless people of the community and on Saturday we took to the road, cleaning our own section of I-95 in our Adopt-A-

By Eric Stevens Saction editor

The last SAA meting was an informative one for all.

Our president briefly went over the SAA convention for those of us who were not able to attend. Those who did attend had a great time and brought back a huge amount of information,

One item that was mentioned was that Embry-Riddle might be able to host a future SAA convention. This is something that all in the club would like to see and we are hoping for the best

Additionally our delegates received the spirit and lip-sync awards while at the convention. Congratulations goes to all the delegates who represented us so well,

Lou Nemeth, chairman of Alumni Relations, also spoke to members at the meeting. He is promoting the Mentor program here at Embry-Riddle, This program matches students with an alumni in their related field.

The student is then able to discuss future career goals with the alumni and receive guidance in career decisions. Although new at this school, the Mentor program has been a huge success at other schools,

Another speaker at the meeting was Steve Nordlund of the Alumni Relations office. He showed some extremely humorous overhead graphs about the convention. The correlation between the lack of sleep and amount of beverages consumed on Saurday night was especially interesting.

Steve also gave us a presentation about what the Alumni Association did. It was an informative presentation and we thank Steve for taking the time to share the information

Our club meetings are every Tuesday in the Spruance Hall boardroom. The club collects no dues. The only requirement is that you attend three consecutive meetings.

All are welcome to our meetings and we hope to see everybody there, See you at the meeting!

By Stephanie Perkins Club Writin

ATTENTION ALL LADIES: I hope you have seen the Programming Board in action.

During 60s week, our contribution was face painting and handing out messages during lunch time. On Valentine's Day, candy was passed out to among the women in the U.C.

This past Saturday we shopped at Altamonte Springs Mall and had a lot of fun.

By Jason Piper Public Flatmicos

This past week has seen some changes in AHP. Some of these changes good, others bad.

The good news first. Brother Pat Mack received his Commercial pilo'ts license. Congratulations Pat!

On a sadder note, Brother Tom Mullarkey has left the university and gone home to pursue other avenues. We will all miss him.

Hopefully he will be back for rit-

Highway project.

This weekend members will host this year's Area Conclave. It is during this time that Squadrons from different colleges and universities in the Southeast region come together for committee meetings and a grand

Let's have a great time with members in the Area.

To all pledges the society wishes you the best of luck with the remaining weeks.

We look forward to seeing you at

By Sam Albrecht

Welcome Back! What a weekend!

I can't remember when we have had more fun, learned so much, and made so many new friends (Craig, we can all count to five!).

As a result of the seminars our eighteen delegates attended, we are planning to host many new and exciting events our campus has never seen before.

Congratulations goes to "The Riddle RunArounds," the group that was "too sexy" and won the lipsync contest (the repeat performance at 3 a.m. Saturday morning in the hotel room was even better!).

I can't even begin to express how proud I am of our delegates who blew away the heavily favored competition from Appalachian State University, East Carolina University, and University of Florida to win the coveted spirit award (YAAAAAAAAA!).

Everyone came back with a renewed sense of pride about our club and our University.

We are ready to finish up a great semester to what has been an outstanding year.

Its only 360 days until the next conference, which will be held at the University of Florida. We can hardly wait!

If you are not yet a member of our club and this weekend sounded pretty good; and you would like to be involved with Homecoming, Skyfest, Christmas parties, Youth Motivator, Mentor Program, Alumni Association, campus life and making friends, then this club is for you!

If these things don't sound exciting, please don't attend our meetings every Tuesday at 5:30 p.m. in the Sprunnce Hall boardroom

This space intentionally left blank

This Wednesday, February 26 we will be having a guest speaker. Upcoming Events:

Mini-golf - March 7th (first ten people free).

Women in Aviation Week -March 9 - 13.

Women's Retreat - March 14, Bowling, Rollerskating

Watch out for our flyers and notices in your mailbox.

If you have any questions please

contact me at Box #8543.

The pledges are doing well in their studies. There car wash was a big success. Excellent Job!

All who attended the IFC gathering this weekend had a good time. Thanks to all who helped make it

such an enjoyable night. This weekend a trip to F.I.T. is planned. We're going to party with our brothers down there.

The joint pledge classes are planning a clam bake and beach party for us. Should be a blast,

By Peter A. Zaccagnin Chapter Writer

So long Vinnie.No more kegs? Not! Joe the pressure is on for another outstanding party this week-

We are all confident that it will All the hard work is almost over. be another successful journey into the world of debauchery.

Lambda Chi-we would like to thank all of you for being you. We

Welcome back to SCAT CHAT. Thanks to all those who joined this semester making this the largest SCAT sign-up thus far, with almost 80 members.

Also accomplished were the aignus for the Delta trip to Atlanta, the PT-6 engine run-up, volunteers for the race, and recycling bin helpers. We wish to welcome aboard the

new treasurer, Jerry Coxt and the new Secretary, Roland Moorhead. These positions were filled at the last meeting and thanks to all who

participated in the voting. Upcoming events: Keep an eye (AC 43.13-1A)

you put into everything that you do. Congratulations to Toby on another addition to the ever expanding fleet, a G35 V-tail Bonanza.

appreciate the time and effort that

Still no word on the multi-engine

Do not forget this weekend is not only the party but on Sunday we all need to be at DAB for the G-III flight at 9:00a.m.

Acid rain is falling

out for the new aluminum recycling bins to be placed near the AMT buildings this semester.

Our meeting took place February 24, (Monday), at 7p.m. in Room A-109. Guest speaker Bob Robbins joined us for an interesting evening of slides and his personal experiences in aviation.

Mr. Robbins was an engineer for Boeing and also participated in the XB47 project as a Test Pilot.

TECH QUESTION: When is the use of anti-tear strips recommended, and where should they be placed.

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 aubmitted copy.

For more information stop by or call the Avion office at (904) 226-6079.

By Dennis Martinez

There are times when we wonder why the Lord lets bad things happen in our lives. We've all had problems that

seem unbearable, and most students can relate to this question. is it because of a balance of good

and evil that must be maintained? Or perhaps God can't be everywhere at once?

Don't believe these answers any

farther than you can throw an ele-The problems we face happen Him, and let Him carry you! unexpectedly most of time, and many small events can cause seri-

ous concerns when we deal with them as a whole. The Lord loves us and doesn't cause these things to happen. But instead of intervening or preventing our problems from occurring, he allows us to grow by experiencing

Teenagers who's parents won't let them ride their bikes out of the yard, hold their hands when they cross the street, and won't let them go out with friends because they might get hurt will despise their

By Startibarttast Standby Writer

Well, for a third week I'm writing

the article. This might not seem like such a bad idea but I was only at the beach party in physical form. Anyway, I, as always will follow

through with another commitment. Besides the kidnapping of myself and brother Lush, the weekend was

incredible I would like to personally thank the Thetas for a time well had, and for cleaning up the debris on the

beach afterwards Disco will be busy this weekend because he will be carefully removing every molecule of sand from his tires so he can return it to the dunes.

Jessica, well he just said NO. The amazing Karnoff brothers parents for their protectiveness. Isn't it better for parents to let the

children grow by experiencing their own lives? Like a parent, the Lord lets us make our own decisions. And when we fall, and ask, Him for help, He

picks us up with open arms, We're not children anymore, and being a teenager is a memory for many of us. But the Lord still watches, and when we ask, he sup-

ports us. So the next time our problems become so great that we ask "Why is this happening?"....Don't blame it on the Lord, but instead, give it to

This Sanurday, Feb. 29, the CFC will be honored with Mr. Joe Hurston speaking at 6:30pm in the Student Conference Room across from the information desk in the Student Center.

Mr. Hurston is the president of Air Mobile Ministries, a missionary aviation establishment in Titusville, He's flown all over the world,

and will have some very enlightening stories to tell. It should be interesting, so

Snacks will be served.

please join us,

amazed us with their death defying leaps through the bonfire. Believe it or not Sysco is the Mad dog of the

The hawmian party was a success upon success. The girls had a great time and the house didn't burn down. Which of course is always a

Wally was in town again but refused to stay for the evening festivities. Although he did state that when the alumni come, he will party

Speaking of alumni, it seems like every weekend is alumni weekend. If only national could see us now.

Except for the hogging, fairings and rain, the weekend was pretty

Phrase of the week; "I've got friends in low places..."

Flight Team

By Robert Bitzer Flight team writer

"Hey Biff! Aren't you on the Eagles Flight Team?"

"Why, yes I am," Biff replies with confidence.

"Well just what do you do at these competitions that you make such a big deal about?"

Biff takes the poor, uninformed wretch aside and explains to him what happens at competition.

But did you know that 9 of every 10 students at ERAU have never seen the team in action? Ok, so I didn't do research on it

but, come October 27-31, the Eagles Flight Team will be hosting Regional Competition in DeLand. So mark it on your calendar, it will be a week to remember. And speaking of calendars, that's

right folks, February is National Congratulate Everyone on the Flight Team Month!

In keeping with the spirit of

By Jack Snyder Public Writer

Well boys the past social with the Thetas was a huge success. My stock in Anheuser-Busch is on the rise, thank you for the support.

Dino, you are everyone's all-American, no matter how big she is she just can't handle you, and remember if you can't put a belmet on the soldier, wear a flannel, at least you'll feel safe.

Discovery and Bruiser managed to show their support of the Great American Smoke-out. Thank God they didn't get near that groovy disco ball, I can't believe the things we do for women.

A reminder to the brotherhood, Sundays at Houligan's where the beer and the wings are cheap and if you value your life you'll stay away from House while he's feeding.

As historian of the fraternity I've taken another poll of the Brothers. The question at hand was Careers results were as follows:

things, I'd like to announce that congratulations are in order for all the new members: Bob Taylor, Robbie Palasz, Richard Jefferies, Jeff Dwyer, Walter Tuttle, James Dunbar and Kellene Gaetaniellol Welcome aboard!

I hope everyone had a great time at the barbecue last Saturday, thanks go out to David Kvech who arranged the event.

Also, kudos to Kevin Sheppard for arranging Mr. Cooper's safety briefing last night. And finally, the Loening Committee members deserve credit for the enormous amount of time and effort they've put in to finishing up the first half of the Loening Book,

As you can see, this has been a busy week for the team. Keep up the great work and it'll pay off at Nationals.

Biff and I will be back next week where the topic will be "Golf Shirist Golf Shirts! Golf Shirts!"

Until then...

National Park.

8p.m. to 1 p.m.

1. A homemaker for Jenn 2. Restoring Mustangs and

teaching a driving school specializing in curb avoidance. 3. A representative to the State

of Kansas for the NRA. 4. A proctologist. 5. A hit man for the Mafia.

6. Personal tattoo consultant for a major heavy metal band. 7. Proprietor of a sushi bar. 8. A photographer for CLUB or

a child psychologist. 9. Probably dead or even more constipated. 10. A park ranger in Jellystone

11. A Roadie for Bob and Doug

McKenzie in the Great White North 12. Founder of an AA chapter in Kentucky. 13. A Pontiac Dealer, a provider

of Ponches for all. My apologies for those missed in the survey. And now for the weekly word unscramble.

This brother needs only chew, ten years from the present. The beer, and occasionally Depend undergarments to survive: HCRUL

will be Mardi Gras. The party will

be held on April 23, 1992, from

tions and discounts for the families

of the graduating seniors in the

There is a list of family attrac-

Senior Class

By Robert S. Damsky Council Reporter

Another briliant session of the Senior Class Council met again at 6:30 p.m. in A-201 on 2/19/92,

The Faculty and Staff committee works, If anyone has any suggeshad nothing enlightening to report tions, please address them to Steve at the time. The Fund Raising com- Paik's box. Suggestions are also mittee reported that we had success- being taken for the senior class profully raised \$2,455 by parking cars ject. during the Daytona 500.

In an effort to raise even more, it was suggested that selling novelty items could be pursued. Interest was shown in selling squeeze bottles for T-Shirt designs must be submit-

ted by March 13. Any and all ideas are welcome and should be left in Bill's box in the Student Activities

Keep an eye out for banners and ads for the T-Shirt design contest! The illustrious Party committee has decided that the theme for the party nel.

up are a large globe for the library and getting the parts or all of a Boeing 727-100. Any other brainchilds should be addressed to Bill's A get well card for Lorie Ranfos

A couple ideas that were brought

was signed by all members of the Council and we wish her a speedy recovery. The next exciting episode of the

Senior Class Council will be Feb. 26, 1992 in A-201 at 6:30 p.m.1 Same Bill time; same Bill chan-

By Erica Watt Public Rolations

Well, yet another week has come and gone for the Theta Phi bunch. We all are feeling pretty damn good after pulling off our "secret

mission" this past Friday night. The first thing that needs to be done is to thank Coppertone for heading and planning the whole event. Oh and of course her side kick, Baba! We appreciate the cooperation from all the fraternities, hope there are no hard feelings,

Special thanks to Dean for help-

ing us and an extra special thanks to our hostages: Sunny Patel, Robbie Wetzig, Todd Weeber, Scott Curll, Ernie Nyoz, Bill Tallman and Boyd

Kelly. You guys were a riot!!! Thanks to everyone who bought flowers on Valentines Day, it was a great success. Working the 500 once again proved to be a big pain in the @#\$!!!

We are all thrilled it's over-Reminder: Lil sis day is next

Have a fantastic week everyone and don't do anything I wouldn't

Once there was a way for them to show their talents to the world.

Some believed it perished ...

But now, once again there will be



Creations

Embry-Riddle's literary magazine Because talent is nothing to waste. tographs, drawings or essays- to the Avion office and place them in the Creations drop box. Don't delay!

Your submissions will prove that Embry-Riddle has well-rounded students and employees.

The arts should be shared in every university.

Submissions are being looked

for now! Please bring or send

your work- poetry or pho-

Campus connection

Make new friends with similar interests all over the country! Learn about life on a different campus! Meet fellow athletes, Greeks and artists from other universities! Make contacts with people that you can work with in the

LET CAMPUS CONNECTION MAKE IT EASY FOR YOU!

CAMPUS CONNECTION is a student-run nationwide collegiate pen pal club. Our goal is to match students across the country with other students that have similar interests (major, team sport, fraternity, club, etc.)

CAMPUS CONNECTION also offers a "Location Search" for students who are thinking about transferring to another campus and would like to correspond with people from that campus. This service is a great benefit for ignior college and high school students. All schools in the United States are included in this service. We will give you the names of 2 - 3 people from the college you requested who are most compatible with your application. The students that you will be given have expressed an interest in corregooding with students considering attending their campus.

CAMPUS CONNECTION is tooking for students to be a Big Brother/Sister to our "Location Search" students. As a participant of this program, you will get paid for each student we match you with.

For information and an application, please call or send a self-addressed stamped envelope to:

CAMPUS CONNECTION P.O. Box 2607 Turlock, California 95380

(209) 571-7990

Choose not to abuse ... your body!

Wednesday, March 4, 1992 11:00 a.m. - 2:00 p.m.

John Paul Riddle Student Center, Flight Deck

· Body Fat Measurement

Coronary Risk and Cholesterol/Triglyceride Screenings

Cholesterol blood test starting at 9:00 a.m.

(14 hour fast required for the above screenings)

. Lung Capacity Test

 Massage Therapy Nutritional Analysis

· Presidential Fitness Award And Much More!

DENTAL HYGIENE

SEXUALITY UPDATE

STRESS MANAGEMENT

SAFETY

CAREER OPPORTUNITIES

SPIRITUAL HEALTH

SPECIAL EVENTS

Stop by and check it out.

Spring Health Fair

The Spring Health Fair, "Choose Not To Abuse...Your Body!", will be held Wednesday, March 4, from 11:00 a.m. to 2:00 p.m. at the Flight Deck in the John Paul Riddle Student Center, Included in the wellness activities are two types of CHOLESTEROL measurements that will start early since a 14 hour fast (only water) is required:

0700

\$16.00 Cholesterol/Triglyceride and Blood Sugar etc. by blood sample

(call Health Services at ext.

6036 for an appointment).

Cholesterol result, using the finger stick method.

MAMMOGRAPHY screening is also available to students/staff/spouses. Please schedule an appointment by calling Human Resources at extension

Stop by and check your wellness!

Space Studies minor

Aeronautical Science Department for students that would like to add spacerelated courses to their major. The minor has a 15 credit hour minimum requirement plus an upper level math course or MA 125 - Space Mathematics. One SP course is required for the minor, SP 425 - Special Topics in Space and Aerospace.

Any student who is interested in the minor should apply to the Department of Aeronautical Science, Any student with the minimum 2.5 CGPA is eligible for the minor, although several major programs do not have electives available to apply towards this minor. Any student may also take the SP courses that interest them If they do not plan to complete the minor. Students with a CGPA below 2.5 will be considered on an individual basis.

You may substitute these classes for electives in many of the major programs. Several programs do not have electives available for substitution, such as Engineering Physics and Aerospace Engineering, but you may take the courses outside of the program. You may also substitute certain upper division electives for AS courses. The upper level electives in Aeronautical Science are satisfied by the upper level Space Studies courses, SP 300,

To apply for the minor, or for more information, contact the Aeronautical Science Department or the Space Studies coordinator, Dr. Erickson, ASSL 106 (TEL: 226-6474),

Classes:

SP 110 - Introduction to Space Flight

SP 200 - Planetary and Space Exploration SP 210 - Space Transportation System

SP 215 - Space Stations Systems and Operations

SP 220 - Life Support Systems SP 300 - Introduction to Satellite and Spacecraft Systems

SP 400 - Introduction to Navigation

SP 425 - Selected Topics in Space and Aerospace

The Avion Needs You

Cycling club guest speaker

Guest Speaker Mary Burns - Ultra-endurance woman athlete, holder of the 24-hour cycling world record, entrant in the 194 and 1992 Race Across America, finisher in the 1991 Alaskan Id ta ille Challenge, and inspirational guru of positive thinking, will provide presentation of her Race Across America a tempo and inspiration of the Race Across America a tempo and inspiration of the Race Across America a tempo and inspiration of the Race Across America a tempo and inspiration of the Race Across America a tempo and inspiration of the Race Across America at the Across America at the Challenge of the Rm. A-109.

BROUGHT TO YOU BY THE ERAU CYCLING CLUB

T-Shirt design contest

The 1992 senior class is running a T-shirt logo design contest. The winner be chosen from all available entries and will win a \$20 gift certificate from the bookstore, as well as a free shirt.

All entries should be submitted to the Senior Class president's mail box in student activities no later than March 13, 1992.

Environmental career institute

To help college students, particularly recent graduates and those seeking A new minor in Space Studies is now being offered through the a challenging career, Government Institutes is offering a unique 9-day Environmental Careers Institute at The Catholic University of America in Washington, DC from June 12 - 20, 1992.

This comprehensive yet practical program will provide students with:

- Extensive knowledge about the environmental fields
- Access to valuable informational resources
- Personal contact with key lenders in the field

- Practical information on possible careers

The program includes classroom lectures, discussion and interesting field trips to the Chesapeak Bay, EPA Headquarters, the United States Congress, and other important practical learning opportunities.

For more information or how to apply for the Environmental Careers Institute, please contact Tim Hohman or Colleen Sullivan at Government Institutes, 4 Research Place, Suite 200, Rockville, MD, 20850, or call (301) 921-2345; FAX (301) 921-0373.

Memorial service

A memorial dedication for CW2 Kerry P. Hein will be held on 27 February 1992 at 12:00 along the University Entrance Parkway. CW2 Hein was an Embry-Riddle Graduate killed on a night medevac mission in Iraq.

The memorial dedication will be performed by Father Morris with representatives form the 348th Medical Detachment (Helicopter Ambulance) and the ERAU Army ROTC.

Correction

in the February 19, 1992 edition of the Avion, Martin Luther King's name was misspelled in a headline on page 3.

We at the Avion apologize for the typographical error that is often inherent in time-critical publications and regret any problems it might have caused.

Astronaut (continued from page B1)

Gallantry, and over 26 air and space medals. He was also a Distinguished Graduate from the Air Force Test Pilot School and Air Command & Staff College.

During his talk, Astronaut Blaha will discuss the contributions that the United States' space program has made to society, where the space program is today, and its future direction. You are invited to ask questions after the talk, however, a large turnout is expected, so come early. For more information, contact Mr. Nick Simatos, Ext. 6491 or Dr. Lance Erickson, Ext. 6474.

> Need ride to 1 2 concert in Miami March 1

Please contact Josh at 253-5652

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FRIENDS DON'T LET FRIENDS DRIVE DRUNK



Senior Class T-Shirt Logo Design Contest Deadline March 13

Winner Receives \$20 Gift Certificate to Bookstore Free T-Shirt

Submit Entries to the Senior Class President's Box Student Activities

Wayne's World Soundtrack released by Reprise Records

By Wayne Campbell Special to the Avien

Okay, so now Garth and I have our own excellent full length, big screen, LucaSound motion picture Wayne's World, which means we've also got our own Music From The Motion Picture Wayne's World album. Only why do they call it an album since you can't even buy it in a vinyl configuration anymore, just cassettes and compact discs?

But I digress, Garth and I personally selected our favorite mega-tunes to add dramatic highlights to the action and fill in all the slow parts of our movie, so here's our personal soundtrack selections along with some pungent and concise commentary to allow you, dear reader, maight into our heavily metallic lifestyle. Party on!

"Bohemian Rhapsody" --- Queen As I see it, most metal tunes are about babes and partying (only a few are about hurling). But this one's got a whole story, a veritable fable in-sound where a guy named Scaramouche does the Fandango or something. A perfect introduction to our most excellent soundtrack.

"Hot And Bothered" Cinderella

A metalicious cut that tips the rock-o-meter, even though some of guys in the band could pass for

"Rock Candy" - BulletBoys

Check out this musical metaphor for rampant babeitude. She could even be on a par with Betty Rubblel Schwing

"Dream Weaver" - Gary Wright No way! Way! Gar' captures the spirit of the Seventies with this mellow, nonmetallic chart-topper. Garth and I think this may even make Wayne's World a semi-chick flick. Sikamikanicon" - Red Hot

These guys wear gym socks on their units and could never pass for chicks. Need we say more?

"Time Machine" - Black Sabbath

The Sabs are the most excellent metaloids of all time and here they max out with a telling commentary on spiritual isolation. Check out the vocals by Ronnie James Dio.

World Thome" Wayne's (Extended Version) --- Wayne And Garth They shoot! They score! The most excellent lyrics say it all:

It's Wayne's World It's Wayne's World It's party time

It's excellent "Ballroom Blitzn - Tia Carrere

It's Wayne's World It's Wayne's World It's party time It's excellent

Not only does Tia play Wayne Campbell's personal love interest in the motion picture version of Wayne's World (good work, my (riend) but she is most definitely a babe. She's a mega-babe. In terms of babeness, there's no quarter given and none asked. She's from Babeleon. She's Babe-alonian. She's a babe-abolic and she needs help.

"Foxy Lady" - Jimi Hendrix. In France they call this one "La Renarde Mademoiselle,

"Feed My Frankenstein" - Alice

A rock 'n' roll guy with a chick's name who could pass for a chick. Shyeeeeaahhl Rriliggghhhtt! Alice is in the movie. He's Garth's love interest. Sign of the fish! Get the net! Caught 'em, cleaned 'em and fried 'em right up!

"Ride With Yourself" - Rhino Bucket It's bucket, It's pail, not!

"Loving Your Lovinn" - Eric

This old guy may not be metal, but he sure runs his pick up and down the strin-s a lot and makes some cool faces. So we put him in,

"Why You Wanna Break My Heart" Tia Carrere Tia returns (good work my friend)

as Wayne's personal movie love interest. Not only is she a excellent vocalist she's a babe. If she were president she'd be Baberaham Lincoln, Her babocity is diabolical, I should know, I'm a licensed babe-

CRITIC'S CORNER: Wayne's World weathers weekend wash woes



George Clarke

Diversions Movie

guys; I don't relate well to them, course, it's called Wayne's World. because they're so wild and crazy and macho. Consequently, Riddle girls don't tend to hang around me, because I'm not wild and crazy and macho, But I saw the most religious thing Saturday night: girls running around the apartment complex dressed as semi-nude Polynesian sirens, I recalled my ancestors, who hunted these wooly mammalia during the dark ages, and dreamt of how the world would be if everyone dressed like this. But alas, I discovered that this was not some sexy new fashion. It was a Greek thing. I dream of the girl who hangs around in normal clothes and Saturday afternoon, it seemed not to be. So bemoaned, I saw a movie and, later, did my laundry. The movie was Wayne's World, and it was great.

Aurora, Illinois natives whose the film documents his pursuit. I brains ceased electrical activity at around the age of four. Somehow (and if you're an SNL fan, you know this) they have procured several hundred-thousand dollars worth of television production equipment. You see, they produce a cable-access television show I'm not one of those Greek from Wayne's basement, And of

The show is a local hit - but it's better than the two guys think. A ruthless T.V. executive (Rob Lowe) decides to buy the show and use it as a blatant advertisement for his boss, who seeks customers for his arcade. The movie is a collection of skits based loosely around this plot, whose sole function is to give each vignette a sense of continuity and marginal

Carvey and Myers find it impossible to take themselves seriously. Because of this, the film is a blast. The two poke fun at everything - from a hilarious lip sync of "Bohemian Rhapsody" to a wetyour-drawers send-up of the Laverne and Shirley intro. These guys never let up.

But don't forget the plot. Poor Wayne (who's not a Greek guy) Dana Carvey and Mike Myers falls for a gorgeous Cantonese play Garth and Wayne, two singer (Tia Carrere), and much of

got a big kick out of his early encounters with her; every time he sees the girl he hears "Dream Weaver" playing in the background. There's another hysterical scene in which, to impress her, Wayne learns her language and then has a conversation with her in Cantonese. He then buys Chinese take-out. The order? "Cream of some young man."

Keep an eye out for Say Anything's Ione Skye and Donna Dixon, as well as singer Meat Loaf and Al Bundy.

Sure, Wayne's World won't win any Oscars. But it is an outrageously good time. This was definitely the funniest film I've seen all year. It put me in a good mood to do my laundry later that night, And the funniest thing happened: as I removed my stuff from the dryer, I saw the hottest girl all by herself - and dressed in normal clothes - waiting for hers to get

Although I scampered out without talking to her out of fear that she might see my underwear, I could have sworn 1 heard "Dream Weaver" playing, If only reality imitated act.



ation protein of Warre Studiors

Widespread Panic proves to be a cassette worth listening to.

Space Wrangler released by Widespread Panic appeals to both people and pets

By Boyd Kelly Diversions Writer

1991 brought many changes. One little known change was the signing of Widespread Panic to the Capricom Records label. This is the same label that released the Aliman Brothers Band, Wet Willie and Elvin

Hishop, to name a few. Not only that, Widespread Panic Athana, Georgia. This mix of raw

wonderfully inspired music. It's a sorta-Dire Straits-going-country-ina-top 40-kinda-way.

There was not a song on the album that I would not recommend. some of the more notable tunes were "Travelin' Light," "Gomero Blanco" and "Holden Oversoul."

The band has an strong backcomes from R.E.M.s hometown of ground with their guitars. This is an album that just about any music

enough, but the band went further mendation goes out to those who "Heaven." For me, this alone made still. Their reissued debut album like blues or country. Even if you do Space Wrangler is chock-full of not, their blend of progressive values will certainly keep you entertained.

> "Gomero Blanco" is one of those shows a little creativity on the bands part. It involves some interesting tape winding and sound effects.

of side two in a 15 minute medley of Robert Johnson's "Me And The talent alone should have been lover would like. An extra recom- Devil Blues," and Talking Heads even more than Ren and Stimpy.

the album worth listening to.

They are a scary looking bunch though, sort of a hybrid between Berkeley Hippies and Georgian Rednecks. This of course has no reltracks. It is an elusive piece that evance on their musical talent. They play in the strictest fashion of Rock and Roll.

If you are a fan of guitar and per-An extra bonus appears at the end cussion, you should not pass this one up. Don't just take my word for it, take my cats. He loved the album

Entertainment -Chairperson speaks out on movie woes

By Jason Simon Leaving Editor

Unlike previous semesters, the Thursday night movies have turned out to be a big disaster. In the past, movie-goers had to wait outside in the rain and cold in order to ensure themselves an excellent seat for the evenings flick. This semester has been drastically different; empty seats fill the once crowded Student money spent on each movie has been wasted.

For the last few years, ERAU Entertainment was noted for its well publicized and heavily attended films. Unfortunately, this has not been the case this semester.

The climax of the apathy resulted in last weeks movie being emcelled. It is reported that the movie was cancelled due to poor attendance (14 people) and to save the students changes would confuse students, some money. The movie was cancelled a full half hour after the scheduled showing.

Students have cited the fact that they generally did not know when the movies were scheduled to be played. They also said that there was a general lack of advertising on the part of the Entertainment committee.

According to witnesses, an announcement of the Thursday movie was not advertised until approximately 4 p.m. that Thursday. Tom Hanna, the Entertainment

hesitant to respond to reporters questions. When asked about the movie being cancelled. Hanna said that he had nothing to do with that action since he and most of the Entertainment staff were away at convention.

Committee Chairman was initially

He also stated that a new policy had been enacted that ensures that the movie will be shown regardless of attendance.

When asked why the movie, An Center. In addition, the student Innocent Man, was not shown last week the chairman explained that the movie was actually Boys in the Hood. Hanna was asked why there was no advertisement for any movie until 4 p.m. on Thursday especially when Boyz in the Hood was supposed to play. He said that the movie poster for An Innocent Man was placed in the case the moment that it was received by Entertainment.

When asked if he thought these Hanna sighed and responded "Yes."

Hanna went on to say that that many of the movies that were planed to be shown were actually shown on television that week. Therefore, in order to prevent duplication, Entertainment chose to return the movies and find replacements.

Hanna concluded the conversation by saying that he personally apologizes to the entire school for what has been going on. He also pointed out that better advertisements for the movies will be done in the future.

Join the Diversions Staff!

After controversial JFK movie, assassination theorists split into factions

struggle to solve the crime has sages. become its own terrible era of con-

Gonzalez was a young congressman, a few cars back in the fateful motorcade through downtown Dallas on Nov. 22, 1963, when he lowered his back-seat window in Hospital.

Nearly three decades later, at a

Kennedy assussination marked, as ter of a storm, And as on that bloody Texas Rep. Henry B. Gonzalez says, day in Dallas, he was powerless to a terrible era of hatred," then the sort out the rush of conflicting mes-

The forum last week at The of the film and critics of the assassination - or at least of its official interpreters. At one end of the table was retired Air Force Col. L. Fletcher Prouty, model for the mystime to bear, "quite distinctly," the terious character "X" played by report of an assassin's rifle. An hour Donald Sutherland in Stone's film. later he knelt in tears at the feet of At the other end was investigative President Kennedy's widow on the reporter Dan Moldea, who first bloodstained floor of Parkland linked Teamster boss Jimmy Hoffa and mob figures to the assassination.

These and other panelists agreed Washington forum on Oliver on a few things: the Kennedy assas-Stone's controversial film JFK, sination produced a mountain of up?"

WASHINGTON (AP)-If the Gonzalez once again sat at the cen-valuable investigatory material and what hasn't already been made public of that material should be. Gonzalez put the latter goal in motion last week by introducing a resolution to release all the docu-American University featured critics ments from the 1978 House investigation in to the assassination which have been locked up until 2029.

Beyond that, there was discord.

Prouty, every bit as conspiratorial-looking as Sutherland's character, squinted at the students packed into the auditorium and scolded them. The evidence of a high government conspiracy to eliminate Kennedy and promote the Vietnam War through Lyndon Johnson is clear, he

When are we going to wake

government conspiracy theory was John Judge, co-founder of the Committee for an Open Archives, a access to all assassination records.

Prouty was forced to acknowlcharacter in "JFK" never really took place. He had presented his ideas on the assassination to New Orleans letters, after the trial that became the come on, wake up." basis for the film. There was no cloak-and-dagger meeting on the

Washington mall. For Prouty, the crucial evidence is protection of Kennedy, the quick emergence of Oswald as the assassination "cover story," the indica- its veracity."

Joining Prouty in advancing the tions that Kennedy was preparing a withdrawal from Vietnam.

This drew fire from panelist Stephen Rosenfeld, deputy editorial group devoted to allowing public page editor of The Washington Post and a critic of JFK.

edge that the scenes involving his victed on the sort of evidence that ments by mob associates that they you come up with?" Rosenfeld asked.

"You slept through what I was District Attorney Jim Garrison in saying," Prouty responded, "Now

> The audience roared, relishing the put-down. But the other panelists veren't through with Prouty.

Molden called Prouty's conspiracircumstantial: the lack of adequate cy theories, "demagoguery of the worst degree. You're grabbing at any shred of evidence regardless of

Moldea said that contrary to the coup d'etat theorists, those who point to the mob as the center of the conspiracy have at hand a wealth of objective evidence: wiretaps involving mobsters suggesting some Who, sir, would like to be con-involvement in a conspiracy; stateknew of a plot; phone logs linking mob figures in Miami and New Orleans with Jack Ruby, the man who shot Oswald. It's not conclusive proof, Moldea conceded, but it is a place to start.

"Oliver Stone speaks in theories or premises," Moldea said. "The people who advance the organized crime position are speaking from facts.

Gonzalez said he spoke for no particular theory.

Calvin and Hobbes

by Bill Waterson

Far Side

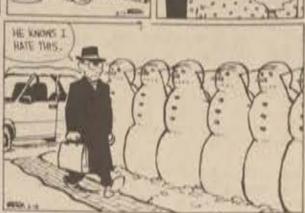
by Gary Larson















Environmental disasters in a flea's world I really wasn't sure I wanted to swing on a star, carry

has the firest treen tiesen at out the mountains are good





ESPECIALLY AVAILY GARDE

IVS YERY



MOVEMENT, "NEC-FOLLONALISM" I'M APPEALING TO POPULAR NOSTALGIA FOR THE SIMPLE

VALUE'S OF RURAL AMERICA 50 YEARS AGO







SEXMETLY

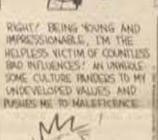


moonbeams home in a jar!"



Sheep that paus in the night

THE CONCLUDED MY FAULT









"Hey! C'mon, Jed! . . . Ease up on them hammers!"



Mister Boffo







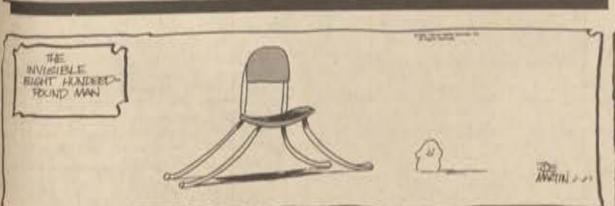
by Joe Martin

Mother Goose and Grim

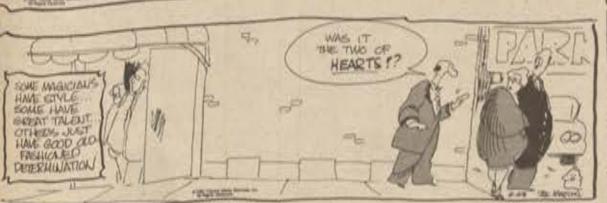
Theater of the Gods

by Mike Peters

I DIDN'T KNOW BIRDS HAD A POINTER FINGER.















How's the fan doin'?

Why are we letting small obstacles get in the way of our desires? Overwhelming lust has

possessed ms. Let's be "best friends and be

lauddies." No arings strached! Happy Belated

OREO MAN

Valentines Day!

Autos for sale

1986 Z28 IROC. T-tops, suto, nane port V8, loaded. Pearl whitel very clean, \$6200 ORO Call Rob 760-4895.

1986 VW Cabrioles. Red with black top. Auto, A/C, great condition. \$5950, call Rob 760-4895.

1986 Camaro Z28: 44,000 original miles, excellent condition, \$5400 OBO, Call Rob

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1973 Mercedus \$3500, 767-2603 and leave a missage.

1990 Stanza GXB, air conditioning, stereo cassette, antilock brakes, power windows, cruise control, \$9000. Call 255-8430 or box

1985 Ford Escort L., memo, 4 speed, cold A/C, 35 mpg, \$1800. Call 255-8430 or box

Moped for sale, \$200, Call Pets 239-0997.

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1978 Datamy 510, 4 speed, A/C, very reliable. \$600. Call 255-8430 or box 4035.

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Two badroom, 1-1/2 bathroom single story townhouse. Good cond., 2 miles from school, \$42,000, owner will help finance, will rent \$425 / mo. Call 407-699-9309 (Ortando) or 760-3444 (local) and leave message.

Pemale rocenmate wanted for spartment 10. min. from school for nummer A, B and fall semester. Have own room and share bath. Rent is \$142 plus 1/3 electric and your share of phone. If interested call Malissa or leave message at 760-9686.

Large room available for summer A and II in 2 may, 2 bedroom, 1.5 bath townhouse. Pully furnished, microwave, cable with all movie frammals, 2 pools, seemis courts, \$237/month plus half of utilities. Call David at 761-7098 evenings or leave your number in box 6831.

Rent now and be reserved for the fall. Beautiful, hig home just waiting for you. Master bedroom wish bathroom is also able. \$190/month plur 1/4 utilities. Weekly payments okay. Call 248-1184 for

Wanted: Non-smoking roommate, Have your own room in 3 bedroom/2 buth bouse is Port Orange (6 miles from B-RAU), \$225/month, 1/3 utilities. Many extrast 767-2908.

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5175/mouth 1/4 utilities. Mester bedroom available includes bedroom, 4 bedroom, 2 bath huge house, 2 car garage, Summer rate \$150/month. 1 bedroom or all four bedrooms. Landiord flexible with terms. Call 248-1184.

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Ibanea tube screamer great for leads! Call after 5:00 p.m. 788-4634 and sak for Phil-

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KLH-195 286 computer, 100% IBM compatible. 44 meg hard drive, 5 1/4, 3 1/2 inch high density floppy drives. VGA monitor and card, 2400 band internal modern, sound board, speakers and microphones and LOTS of software including MS Dos 5.0, wordperfees 5.1, Louis works, Morion utilities and lots more, \$1100 (negotiable). Call Russ at 767-1446.

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RC bear for sale - Fiberglass V bottom approximately 30" with OX 40 water cooled engine and 2 cheonel Finabu. Ready to run: videotape runs available taken at ACII lake. \$185 OBO, Mark 239-0997.

w/ OS 40 SR, field kit with extrat. All for \$295, others for sale also: PT electric low wing trainer, mid wing pylon pacer. Call Mark or Jay 239-0997

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Radar detector - hardly used. Was \$120, but will soil for \$75. Call Jim at 254-2915.

Clun for Sale - Beretta 929, 3 clips, case and holster. Also curtom laxer site, 6 months old. All for \$900. Call Robon 756-8338.

Miscellaneous

Learn to Flyl Clet your pilots linease or continue with your flight training. Quality instruction at low rates. Afternft motal \$30/hr. Train at a local sirport. Contact Jack "CPII" at 756-1494 or leave a message.

Join AOPA now through you composrepresentative and receive a free pole shirt. Contact Joe Herano, IRAU box 6508 or call 677-5724.

Cars and Trucks Wholesale. Buy say year/make our or truck at absolute wholesale! Call Robert for details: 760-4893.

Plight Training: low rates: Ceaman, Piper Warrior, Beach Botunza

I need a rids to the Rush concert in Orlando on March 2. I will help pay for gas. If you can help, contact box 6259 or call 252-9401 and ask for Stove.

I have someone's leather jacket. Call Michael at 238-7334 or write to box 3464 and describe it and where you left it.

Having problems with math, physics, chemistry or engineering. I have a degree in Engineering Call Hemmy at 767-0006.

Do you go to the slubs? Like to save money? Get the Breakers Club eard-discounts on everything from clubs to restaurants to bunges jumping. Call Sieve at 257-9711 for

-- Personals

The carpet itches. You're tellin' me!

You know it's going to be a find day when you wake up.

Wanna play ranquestiall? Nyusal I've had enough expective FILLOW LABID

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 Non-commercial classified advertising and personals are free to the student body, faculty and staff of Embry-Riddle with 35 word limit,

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Pan Am's last published timerable lift \$25...Extremely Limited Quantity. What better way to remember one of America's finest companies. CALL 238-7335 or send inquiries to BRAU box 8316, J. Cambron.

Flight training build complex time while working on instrument in Beach Honoria. Instrument, private, commercial with 3 year CPIL Call for rates. Don 677-9730.

I buy cars for east! Out of man, okay. Contact Rob 760-4895.

Buy my year/make car for wholesale. Cali-Rob for details, 760-4895

ESSENCE 50386 company, Intel Inside 100% compatible, 42 mag Hard Drive with shock mounts, 5 1/4 or 3 1/2 high density drive, Hyundai VGA monitor and ATI VOA Worster Super VGA card with 512K, DOS 5.0, Two Magabytes of RAM, \$999. Call Jon at 238-7355

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Due to overwhelming response to the fast ad, please include photo, measurements and preferred position to help process application scener. Half off to the first fifty applicants, low group rates, buses welcome. No aerique contoners missed. MH HIG G204

Year're a amusicional person, Hure's to our law communication and a fabrichesia accidentally

Do you bulieve in miniches? Year! Thinks for an excellent game, Kings. DREAKURS

TO ALL THE 994 I hope you're having a great day! THE PARZ

FURARS Real non-wear black

The cheerloading squad jest isn't the same without Miss Pockett?

Hill Can I get in on some of the fun? BOY TOY

I know this week will be hard for you so

don't forget that I'm here and I care! Smile

message. Every day with you gets more

special, even if you are stubborn! Have a

The clock from the top bank hit me in the

Who was the chick with the fake breast? How

When will the "super triple probation" end?

Who cares about the general manager?

I love you, but I forget these words when I

meet you. I just want to tell you that I suspect

You may think your Piero is hos s but if

you take up 2 parking spots with it again, I'll

I don't want your calculator anymore. I have

The sun shines for you so enjoy its warmth!

Hope you enjoyed Valentine's Day soof!

Can you get shot with the window rolled

Thanks for everything fataly, you're the

Hey, bey, hey! It's me again to tell you we're

so let's play some serious bockey!

When can Charlie come out and play? SLUT-911

turn it back into the tin can it came from.

TO THE CUTE GRADER OF MR.

know how it was. Good back.

face- Why did it fall?

wenkend.

JON

RYAN

did you find it?

BALIMPS CS30

Attn: Paiza Khan

you and I love you.

DEAR CAN OPENER

THE WAGONMASTER

my own.

HILY DARLING

LOVII, 110%

ANDRILA

unt?17

presson.

RANDOM VIOLENCE

still in the naming.

THE MANAGER

SLATT 555

Got a Sight? BLUT 911

SLUT 411

and have a good day! Yeah! MUCH LOVE, CRASH'D

CHIQUITA STHVIR Just wanted to leave my honey a happy SIMONII AND PAUL

happy Day! SWIBFFIHART P.S. Missed you this TO MY EX-ROOMMATE ANDY Ladies night anytime you want.

Count the beeno is an axe. Mikey is looking for a ring! We'll let you

I got that going for me which is nice, I think

Seen any Trulls around lainly?

Goonga Galoonga Goorga Goongla Galoonga

VINNIE Saw your picture in the paper, cutie. Can I get in on the action? BREWSTER (member NCIPA)

SLUT 69.

JACQUELINE You hell do have an attitude ! When will you realize that the only reason and pleasure all those h y guys have to arrend this class is to daydman staring at you 7 fit puis il faut les comprendre; après tout, c'est vrai que tu est plutôt mignonne 1 Jit alors? Les Prenchies qui t'aiment bion:

Give me your box # or stop it. It's not fair to

I am the torties in the most, Sorry.

SUKU I want your wardrobe! MTV PASHION EXPERT

WRANGLER HABE Better is the enemy of good enough. THE ONES YOU HATE

I want you now, baby I Tol et maintenant, j'te KIKI

PROSPECTIVE Did you notice how our friends from BOW spelled Spreance (is in hall) this past week? The General is turning over in his grave, and

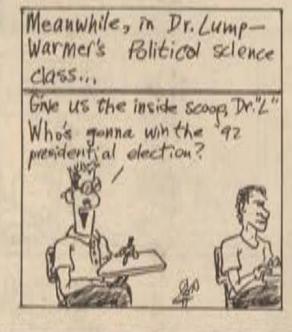
be's not dead yet. CHD.

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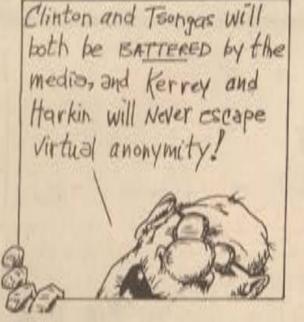
Sale Environment

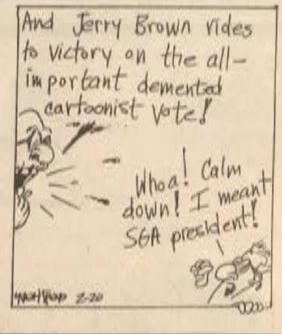
Vincent Fuller



Hmm... Good question! Looks to me as though Bush Duke and Buchanan will all split the foscist/ screwball / Old movey vote,







Solow

D. Siriker



