



Avion

Newspapers

5-29-1985

Avion 1985-05-29

Embry-Riddle Aeronautical University

Follow this and additional works at: <https://commons.erau.edu/avion>

Scholarly Commons Citation

Embry-Riddle Aeronautical University, "Avion 1985-05-29" (1985). *Avion*. 525.
<https://commons.erau.edu/avion/525>

This Book is brought to you for free and open access by the Newspapers at Scholarly Commons. It has been accepted for inclusion in Avion by an authorized administrator of Scholarly Commons. For more information, please contact commons@erau.edu.

Sigma Chi Blood Drive Today 10-4

This Week Features

Letters to the Editor

An open opportunity

page 2

Riddle Riders ride...

and other club news

page 3

NASA may scrap tower

Funds needed now

page 4

One more time!

Shuttle will rescue satellite

page 5

The Extra Point

Pro-wrestling's fiasco

page 6

Phantom combat history

Nicklas reviews F-4 book

page 8



An Award-Winning Collegiate Newspaper

Volume 50, Issue 2

Embry-Riddle Aeronautical University, Daytona Beach, Florida

May 29, 1985



Desolate remains such as these were common sights across Florida last week, as over

150,000 acres of forest were turned to charred ruin. ERAU buildings avoided any damage.

Vieh predicts airline growth

By Ali M. Saadeh
Avion Staff Reporter

"I'm impressed," was Delta Airlines Captain Eugene H. Vieh, Jr.'s impression of Embry-Riddle Aeronautical University. Captain Vieh gave a lecture on job preparation May 23 as a guest of the Aeronautical Science department.

Captain Vieh began by making the audience of more than 200 people comfortable to ask any job-related questions. A 20-year veteran, Captain Vieh is currently the L-1011 Program Manager of Flight Operations at Delta.

Flying since the ninth grade, Vieh became Captain after only five years with Delta. "I knew I

Vieh is responsible for the L-1011 and "its program," which includes operations, training, engineering, and maintenance.

Captain Vieh gave many indications of a good job market for pilots, mechanics, avionics technicians, computer operators, managers, and engineers. "We will see growth in the industry in the next five years," he assured listeners. "The opportunity is there, you have to groom, package, and sell yourself," he added.

"If I was asked to sweep the floor, I would ask 'your broom or mine?'" Captain Vieh's dedication to Delta was readily apparent, as he added, "I'm proud of my company... Delta falls in there with Mom and Dad."

Captain Vieh stated that Delta "is not a management example, it has a contrary theory to management." He explained, "the employee's dedication makes Delta's management style work," proving that "You can make anything work if you want to."

Vieh commented that Delta does not plan to hire any pilots until Fall 1983 or Spring 1986. Delta hired its last pilot more than four years ago. He also hinted that waivers may be made

concerning age and eye sight. Screening of applicants for drug use, Federal Aviation

See Delta, page 8

FAA visits proposed training site

Embry-Riddle vies for FAA management training center contract

By Rob Dixon
Avion Staff Reporter

Embry-Riddle is one of many institutions bidding for the new Federal Aviation Administration Management Training Center. The present facility is located in Lawton, Oklahoma.

Embry-Riddle, along with the University of North Dakota, Wichita State, University of Oklahoma, and So. Illinois (among others) are all bidding for the training center.

Embry-Riddle sent in their proposal in mid-January and should receive word by August 30. The proposal calls for the facility to be built in the Palm Coast Community in Flagler County.

After the Professional Air Traffic Controller Union (PATCO) struck, the FAA commissioned an employee relations study. Dubbed "the Jones

Report," it attempted to study and recommend future work in Human Resource Development for FAA employees.

The Jones Report recommended a change which it called the "Vision of Excellence." It is a long range goal to improve the working relationship of the

all questions that the FAA put forth including accessibility to the community, student service, food services, security and air travel accessibility. "We expect 3000 trainees per year," Dr. Motzel said, "and we have a fine building design for the students and classes."

"I think our chances are fifty-fifty that the FAA will choose us."

—Dr. William Motzel

employees and management. The Management Training Center is the result of the Jones Report.

Dr. William Motzel, Vice-President for Special Projects, said, "We will deliver our best and final offer in July and I think our chances are 50-50 that the FAA will choose us."

The ERAU proposal answers

The design of the complex includes two one-hundred room dorm complexes, to provide for the trainees that will be taking the three-week long training courses. The design for the complex was provided by Hansen Lind Meyers Architects, a nationally renowned company.

Dr. Motzel added that Embry-

secretary who was evacuated from the executive offices. "I wasn't scared until I went to my home in Palm Coast where I was told to evacuate there too."

Fortunately, after two days of monitoring the nearby fires and putting down the rooftops, the Bunnell complex was safe with no damage.

Meanwhile, closer to Daytona, Residence Hall One on Route 92 just west of I-95 was evacuated the next day, Saturday, at 8:00 a.m. This complex was being used by a group of musicians who were renting the facility for the summer.

According to Chief Walters, the situation at the housing complex was not as bad as Bunnell, but a pump was set up next to the swimming pool in case the fire got closer than the 500 yard distance that it came.

Riddle has formed a consortium of educational institutions to provide instructional support for the operation. Bethune Cookman, DBCC, the University of Central Florida (UCF), and Embry-Riddle will support the academic areas for the FAA facility. UCF has a strong graduate program in business, public administration and management psychology. Bethune Cookman provides business and public administration resources and shares Embry-Riddle's and the FAA's commitment to increased minority participation in aviation careers. DBCC provides strength in instructional material design, on-site telecommunications and practical, application-oriented business and management workshops.

The FAA visited the area this

weekend.

See FAA, page 5



Hefty Birds...

Six Air National Guard C-130's flew in to DAB Saturday, May 25: The aircraft, from various ANG squadrons, returned several hundred

Florida National Guard troops to Daytona Beach. Area units spent the last two weeks on maneuvers near El Paso, Texas.

Capt. Eugene Vieh, Jr.

would be a Captain within five years, things were in concrete," he said.

Grant received for Hunt library computer information system

By Gordon F. Crago

The Edith Bush Foundation has awarded ERAU a challenge grant of up to \$150,000 dollars to install a state-of-the-art library information system in the new Hunt Library.

The two-year challenge grant, which is dependent on ERAU receiving matching funds from other donors, is intended for the purchase of computer equipment and training of employees in the use of the new system. When completed, the computer system will provide students and library personnel with faster and more complete access to the library collection.

Barbara Skinner, Director of Media Services for the library, described the implementation of the computer system in two parts. "Initially, it will be used only for

circulation. Entering all the books into the computer catalogue will be quite a job."

When the database of library books is completed, the system will be expanded to include an online catalogue available to library users. "With the use of the computer, students will be able to get more complete information on the status of a particular book. If a book is checked out, on loan or being processed, the student can find this out."

Asked about planned automation further down the road, Skinner commented that "Phase two is somewhat nebulous right now, but there are plans for additional computers in the library for student use at that time."

These would include microcomputers to supplement the Computer Science department's PC lab. Skinner added

that a University "Academic Computer Coordinator" will ultimately assume responsibility for all student computer systems on campus.

The Bush grant has been approved for a two-year match period beginning in September 1985 and ending in August 1987, with \$75,000 payable each year.

The Bush Foundation is a charitable organization with a primary interest in Central Florida private educational institutions. According to ERAU Public Relations Director Ron Marlar, the Bush foundation has a "special interest in library projects," having partly funded the initial phase with a \$66,000 grant in 1983. The foundation also provided a \$500,000 investment in 1980 for the construction of B and E buildings and the two service park buildings.

Editorial

Student / Administration cooperation imperative

When you voice your opinion, does anyone listen? Do you feel your capabilities are going unrecognized?

Perhaps the administration, faculty, and staff would do well to recall the "Employee's Creed" proffered by the school's late president, Jack Huni. It reminded Embry-Riddle employees to think about the importance of the student in the overall operation of the University. It said, in essence, "the student is why you're here... without the student, there would be no university."

Unfortunately, many employees of the University seem to have forgotten Mr. Huni's creed.

An open-door policy is not readily apparent amongst all university employees. Not all students are treated with respect when it comes to requesting an appointment. It would seem *Klyde Morris' "polyester curtain"* is more than just a satirical metaphor.

When the University decided to implement an extra ten dollar per-hour fee for Aero Engineering courses, the students were not formally notified.

To many, it comes as an unwelcome surprise. A previously-announced tuition increase is already on tap for the Fall. The Engineering course fee will add yet another financial burden to students still staggering from this latest hike.

But the Engineering fee issue did not need to arrive by surprise.

There are many concerned, intelligent students at Embry-Riddle. If presented with the same reasonable, concrete data used by administrators to justify this new fee, there is no doubt such students would arrive at the same conclusion. With more cooperative student/university interaction, a suitable compromise might have been reached. However, no such system for cooperative decision-making now exists.

True, the Student Government President sits on the Board of Trustees, but he is not in a position to represent the interests of all students in all degree programs. That is a task too large for one student to handle.

What is needed is more student representation on the curriculum planning and other such committees. With a student delegate aboard, both student and faculty interests would be represented.

Jeff Pager and Geoff Murray have proposed the formation of an "Engineering Advisory Council" to allow more student input to that department's decisions. Perhaps this is just the sort of partnership that every department could benefit from.

Don't underestimate the capabilities of the Embry-Riddle student. They have much to contribute.



Letters to the Editor

Open-door policy?

In response to your last editorial concerning the new Jack R. Huni Memorial Library, I would like to use this opportunity to talk about a potentially serious problem.

Last week's *Avion* editorial stated that there was a problem. According to the editorial, this problem did not lie with the facilities, but with the attitude of the library users. Well, this is not completely true. There is a problem with one of the facilities.

The incorrect installation of the men's room doors prevents privacy from one part of the restroom, creating a "big show" when both doors are opened simultaneously.

According to the library map provided to the students, the original design showed the restroom doors would be opened to the inside. In this way, when opening both doors at the same time, viewing the inside of the men's room from the outside would be impossible. The way the doors are placed now, it is possible to completely see the region of the restroom already described from the reference desk area.

This problem was noticed before the library was opened to the public by library staff members, and thereafter Dr. Rockett. For some reason the problem was not fixed.

After asking many people why this problem was not solved, the answer was found to be an attempt to avoid discrimination.

According to this answer, it would be discriminatory to peo-

ple in wheel chairs if the doors were to open to the inside.

I do not think this is a logical answer. Even if the doors have to be either pushed or pulled to go into the men's room, they will have to be opened in the opposite way to go out.

Last *Avion*'s editorial stressed the need for intelligent, thoughtful critiques about the new library, instead of just complaints.

I sincerely think that the problem with men's room doors is a serious one. Though it has not yet been noticed by many people (due to the small number of people on campus during summer), it will create a big and very serious problem during the fall, if it is not corrected on time.

J. Miguel Vidal
Box 5503

Campus crisis

To the Editor:

A crisis now exists right here at Embry-Riddle. Mr. Arlen Bowen (a champion defender of student rights) has found for himself discrimination in our clubs, fraternities, and other organizations.

Mr. Bowen presented his case to the Daytona Beach News Journal in hope of correcting this terrible injustice but he didn't have much luck. Maybe he shouldn't have picked a newspaper that sponsored Mondale in the '84 presidential election.

Student support is what Bowen needs now. It seems Mr. Bowen has lost his desire to sue the Student Government Association

and the university to prove his case of discrimination:

What is even worse is the fact that there are students right here on this campus who speak of Mr. Bowen in a negative manner. Can you imagine? I have even heard a student comment, "I don't want Arlen Bowen looking out for my rights." No wonder Mr. Bowen is losing interest in his fight. How unfortunate!

Well Mr. Bowen, you really don't have my support either. Maybe you should take a survey to see how many students really support you and your actions.

Oh, and by the way, if you do take that survey, be careful who you ask. You wouldn't want to discriminate would you?

Ed Zanner
Box 6929

Sea turtle nesting season spawns Greenpeace activity

By Suzanne Corcoran
Avion Staff Reporter

turtles outward to sea. Unfortunately along our coastline, there are many light producing distractions such as hotels and highways. If the turtles see the light coming from these areas, they will travel inward, which is often deadly. A second factor is poachers.

Greenpeace has formed beach patrols to monitor and diminish these threats to the turtles' survival. The volunteers identify, take data, and report to the Department of Natural Resources to assist in population assessment.

It is nesting season in Daytona Beach. You are urged to attend a meeting with Greenpeace here at Embry-Riddle, Thursday, at 4:00 pm in room E-611 to help protect these sea turtles, who are now all endangered species, by way of a "turtle watch". They are in need of aerial surveys. If you can help, please attend this meeting.



the avion

EDITOR IN CHIEF:

Patrick W. McCarthy

COPY EDITOR:

Jeff Guzzetti

SPACE TECHNOLOGY EDITOR:

Jim Banke

SPORTS EDITOR:

Brian Modsell

ADVERTISING MANAGER:

Doug Lando

BUSINESS MANAGER:

Gordon Crago

LAB TECHNICIAN:

Dr. Roger Osterholm

This week's staff:

Mark Stern-Montagny

Rob Dixon, Brian Finnegan, Dawn Banke, Brian Nicklas,

Suzanne Corcoran, Ali Saadeh

The opinions expressed in this newspaper are those of the majority of the Editorial Board, and do not necessarily represent those of the university, the staff of the *Avion*, or the members of the student body. Letters appearing in the *Avion* do not necessarily reflect the opinions of this newspaper or its staff. Letters submitted may be edited for brevity and may be printed provided they are not lewd, obscene, or libelous. All letters must be accompanied by the signature of the writer. Letter writers shall confine themselves to one topic. Names may be withheld on request at the discretion of the editor.

The *Avion* Editorial Board members are: Patrick W. McCarthy, Gordon F. Crago, James Banke, Doug Lando, and Jeff Guzzetti.

The *Avion* is a member of the National Council of College Publication Advisors, Associated Collegiate Press, and Columbia Scholastic Press Association. The *Avion* also subscribes to the Campus News Digest and College Press Service.

The *Avion* is produced by a volunteer, student-journalist staff weekly throughout the academic year and bi-weekly throughout the summer. Correspondence may be addressed to: The *Avion*, Embry-Riddle Aeronautical University, Regional Airport, Daytona Beach, Florida 32104. Phone: (904) 252-5561 Ext. 102.

The Navy makes Congressmen happy

Congressional junkets in Navy A-3s to the U.S.S Saratoga

By Jack Anderson and Joseph Spear

When the Navy sets out to make a congressman happy, they do it with the same kind of efficiency that brought the Japanese to their knees in World War II: portal-to-portal transportation. Airborne snarks served by the crew, the thrill of landing on a carrier's flight deck, even the company of two friends from down home and a woman whom the congressman describes as "a girl friend."

It helps, of course, if the congressman has a little more than the usual clout. And in this case, Rep. Charles Wilson, D-Texas, is a member of the Appropriations Defense Subcommittee — in other words, one of the select group that decides how much the

Navy will get in this year's or next year's budget.

The Navy picked up Wilson and members of his party on Capitol Hill in a Mercury sedan on Friday, May 3, and drove them to Andrews Air Force Base outside Washington. There they were put on a converted A-3 bomber for the trip to Jacksonville, Fla. En route they were served crab, salad, assorted cheeses, beef sticks, white wine and soft drinks by a member of the crew.

In Jacksonville, the congressional party was joined by two of Wilson's "buddies" from Texas, and they were all flown to the carrier Saratoga, 75 miles out in the Atlantic, in a C-1 twin-engine "on-board delivery" plane. Wilson was on official business, of course. The trip was

billed as an "orientation," so the congressman would know what he was voting for the next time the Navy's budget comes up.

It's difficult to say what purpose was served by bringing along Wilson's two friends from Texas and the "girl friend" from Washington. But the two Texans paid \$10 apiece for their overnight accommodations on the aircraft carrier — dinner of seafood casserole, rice and broccoli, plus two-egg-any-style for breakfast the next morning, plus the bunks and the flight in and out from Jacksonville.

Wilson called the Navy three days later to say he would pick up the \$650 tab for his other friend, Annelle Ischenko, a Washington lobbyist.

Interestingly, though, the congressman didn't offer to pay for

the lobbyist's fare until three days after our reporter Asghar Nowrouz had called the congressman's office to inquire about the junket. At least that's what the Navy spokesman, Cmdr. Mike Cherry, told us.

According to Cherry, the Navy had been under a misapprehension at first about Ms. Ischenko's status. "We were under the assumption that she was a 'member' of the congressman's staff," Cherry said.

Why did Wilson bring Ms. Ischenko along? "I brought her along because Molly Hamilton is a Wilson aide who made the trip."

Footnote: In the presence of our reporter, Wilson called Ms. Ischenko and asked if she wanted to talk to us. She said no.



Aerospace Society

By Jim Barke
L-5 Vice President

Our next meeting of the L-5 Aerospace Society will take place tonight (Wednesday) at 7:00 pm in room W-306.

Summer A's first meeting took place two weeks ago and we found out who was still here for the new term. During the meeting we talked about a couple of the projects that we will attempt in preparations for a very busy Fall term when things get back to normal.

These projects include the development of some brochures and pamphlets that L-5 will use in soliciting new members; as well as other works that will help to inform the "student body and general public of the present and future activities in space."

Other summer events will take a more social nature. We are looking at several proposals for

fun including a day at the Space Center, the beach, the bars, and the lake for water skiing. The summer is going by so fast that we either will do nothing or we will have a very busy Summer B.

Once again, for those of you who are still not quite sure what we are about, the L-5 Aerospace Society is an organization of students here at Embry-Riddle who are interested in the space program. That interest takes many forms. Some members would like to be an astronaut, while others just think the Space Shuttle looks great during launch.

If you're one of those students who seem to be in front of the TV on the Flight Deck everyday around 4:00 pm, you probably enjoy L-5. While we ARE NOT a Star Trek fan club, there isn't an L-5 member in our group who would not sit through an episode. Other

students who might like our group are those of you who enjoy model rockets, building models, or reading science fiction.

Our group is associated with the L-5 Society, a national organization whose purpose is to promote the development of the many uses of outer space. The Society's ultimate goal is to hold their final meeting aboard a space colony... Working towards that end is why we are concerned with the current and future space programs.

Currently the national organization is holding merger talks with the National Space Institute (NSI). NSI is another pro-space group which was founded by the late Werner Von Braun. If the space program is a reason why you are here at Embry-Riddle, or you just have an interest in the space program, stop by our meeting tonight and get to know us.

AIAA

By Jeffrey C. Pager
AIAA Writer

Toward the end of last trimester, the new officers were elected for the 1985-86 academic year. The new President of the Embry-Riddle chapter of the American Institute of Aeronautics and Astronautics (AIAA) is Chris Butler. The elected Vice President is Cindy Taylor. Serving as Secretary and Treasurer, respectively, are Nancy Legge and Katie Miller. The members of AIAA express our gratitude to the new officers and hope that they have a prosperous

American Institute of Aeronautics and Astronautics

year.

Our organization is going to be fairly active this summer, despite the fact that many of our members are away for the summer.

The first region of activity has been in the forming of various committees. The committees are needed to organize the various activities and contests that AIAA hosts or supports.

Our second activity region has been in the planning of certain trips. A canoe trip has already been finalized for June 8, at scenic Oklawaha outpost. Any interested members are urged to

contact one of the officers as soon as possible. Also in the planning stages is a day of water skiing in conjunction with the Water Ski Club. In addition, preliminary arrangements have been made for a tour to a nearby aerospace company.

The AIAA has a growing membership on campus. Any students interested in joining the organization can contact the President, Chris Butler, at E-RAU Box 2735. Alternatively, interested students can contact Cindy Taylor in the engineering department.

Riders

By Rick Fingers
Motorcycle Club President

The Riddle Riders have been taking advantage of the nice riding weather with a number of recent rides as well as becoming more involved with the school and community. These events include a trip to Fort Lauderdale and Fairview Lake and involvement with the Volusia County Motorcycle Safety Advisory Council as well as the E-RAU Parking Lot Planning Committee.

The run to Ft. Lauderdale began on Saturday morning earlier than usual and after a slight thunderstorm, resulted in some fun-in-the-sun on the beach. It was somewhat difficult to begin the 250 mile journey back home while enjoying all of those bouncing bikinis.

A more recent run to Fairview Lake in Orlando was somewhat shorter and produced a relatively smaller environment of beach and bikinis. The weather was beautiful, however, and the Riders had some very nice people ride with them on this trip. We hope to see Carl and Linda again.

Involvement with the Volusia County MSAC has enabled the Riddle Riders to sponsor students and put them through the Better Biking Program. Saturday June 8, for only \$5 per person, it is very unlikely that this offer will be possible again. Successfully completing this eight hour safety course will improve reaction time, sharpen maneuvering skills and reduce most insurance rates. The number of participants is limited, so get in touch with the Riddle Riders NOW to assure a spot on the roster.

Future involvement with the Parking Lot Planning Committee will hopefully be very productive and beneficial to everyone. The amount of automobiles registered on campus substantially outnumbers the amount of motorcycles. Possibly a cyclists' view

Motorcycle Club

and input will help improve safety on-and-off campus and perhaps produce incentives to support a school-sponsored motorcycle awareness safety program.

The club officers and various committee members have also

ed Chevy van, and more. Friday night socials will continue, as well as weekend rides. The interest and participation of the members, the determination of the officers, and the guidance of Mr. Brown is outstanding. The club is sure to continue to be suc-



Several members of the Riddle Riders took advantage of the nice weather by venturing south to visit Ft. Lauderdale beach.

been busy with the preparation for the Fall term, anticipating the return of continuing Riders and many new members. Numerous fund raisers are being considered and pursued. A flag and banner is being checked out and a proposal for a new, amended Constitution is being prepared. A few club members also have a variety of items for sale, these include: a 750 Seca, a KZ 1000, a customiz-

cessful in the future.

While there will be no regularly scheduled meetings, if one is needed, members will be contacted through their boxes. If you are interested in the Safety course or the club and its activities and you are not listed on the current membership roster, contact Art Rodriguez at Box 6465 on Mr. Brown in office E-612.

Don't miss the EXCITEMENT,
Subscribe to the AVION today



NASA Photo

Helicopter Club

By Peter Elarque
Helicopter Club Writer

The vertical flight industry is still new, spirited and challenging. Few industries face a brighter outlook. Membership in the E-RAU Helicopter Club brings with it all the adventure of the early days of flight pioneering as well as the challenges of future growth and expansion. Participation in the world of vertical flight is the opportunity offered to

every member of the Helicopter Club — both at social and technical gatherings. A member's involvement determines the rewards he may expect.

Membership in E-RAU Helicopter Club is open to anyone interested in advancing his or her position in the vertical flight industry.

During the Spring trimester the Helicopter Club participated with the Army on a 4-day excursion to Fort Stewart, Georgia, in an effort to view its helicopter base.

Members of the club had the opportunity to fly a simulated Black Hawk helicopter. It was an interesting and rewarding experience for all of those who participated.

Some of the future plans of the club are to build a radio-controlled helicopter, and to make several trips to local helicopter manufacturers and dealers.

To become a part of this exciting club see Student Activities for more information.

Vets Club

By John Wiggert
Vets Club Writer

To climax it's Welcome Aboard weekend, the Veterans Association hosted a cookout and keg party at Bethune Point Park. Although we inhaled much smoke and soot from the numerous brush fires, we still managed to enjoy ourselves.

We were also proud to say

"Welcome Aboard" to several new members. Many thanks to Sarah Thompson and the rest of the Welcome Aboard Committee for a job well done.

At the last meeting, May 17, the club discussed the observation of Memorial Day to include a small celebration on our part. We also concluded some old business and decided on the logo and colors for new club shirts.

Many thanks to Alan Benson and Peter Kim.

Our next meeting will be held at 7:30 p.m., on May 31, in the Common Purpose Room in the U.C. Subjects to be discussed: Upcoming Firecracker 400, other summer activities, and plans for the 1985 Riddle Regatta. All interested persons are welcome to attend.

French Club

By Mehdi Alaoui
President

The French Club is again swarming into action this summer term and all current members, as well as interested students, are invited to join in the activities. The purpose of this organization is to cultivate and perpetuate the language, culture, and cuisine of all countries which have been in-

fluenced by either the culture or language of France.

The Club will be having a free BBQ party on Saturday, June 8, at Blue Springs State Park near Deland. All old members and those interested in becoming new members are invited to attend. Please R.S.V.P. to Box 2234 if you plan to attend so the food can be ordered.

The French Club meetings are

of course, an opportunity for francophones to practice their French, but knowledge of the language is not necessary. The French Club would like to encourage E-RAU students to learn the French language. French classes will be offered by members of the club if there is a minimum number of people interested in learning French. For more information, write to Box 2234. A bientot.

YOU'RE INVITED!

EXPERIENCE
THE
ANNONCED MINISTRY OF:
JOHN JEAYESLAN

Featuring: Bible Study, Praise, Worship, Healing and Salvation.

When: Saturday, June 1st at 6:00p.m.
Where: Common Purpose Room in the University Center.

Why: "JESUS PAID A DEBT HE DIDN'T OWE BECAUSE WE OWED A DEBT WE COULDN'T PAY."

EMBRY-RIDDLE CHRISTIAN FELLOWSHIP

Daytona's #1 Performance Specialists

Stocking All Major Brands of Speed Equipment

★ Car Bras and Louvers on hand ★
★ Full Service Performance Shop ★
★ Used Performance Parts Available ★
★ Super Prices on standard auto parts, too ★

Foreign and Domestic

Ask about our consignment sales for used parts—
We will sell your old stuff for you.

action PERFORMANCE
909 Volusia Avenue 252-2632

Orbital Inclinations

Lunar launching tower in trouble

By Jim Banke
Space Technology Editor

"A part of American history is about to be lost," states Robert Mawson, President of the Apollo Society, in a recent letter to members of the national L-5 Society.

What Mawson is referring to is the last Launch Umbilical Tower used for Project Apollo at Complex 39. Three of these 400-foot towers were built for service to the giant Apollo-Saturn 5 boosters at the launch pad. Subsequently, two mobile towers were adapted for use in the Space Shuttle program and they now sit at Pads A and B.

The last Launch Tower is in forty-foot sections on a field north of the Operations and Checkout building at the Industrial Complex of the Kennedy Space Center. What the Apollo Society is proposing is to erect the last launch tower at KSC's visitor's center, now known as Spaceport USA.

The complex would house exhibits recalling the achievements of the Apollo era. Looking very much like the picture at right, the Saturn 5 booster, currently displayed lying by the Vehicle Assembly Building, would be stacked vertically next to the launch tower on a simulated launch platform.

Plans also include rigging a high speed elevator into the Launch Tower so visitors can ride to an observation deck at the top and take in what will be the most impressive view of the area ever offered to the general public.

Everyone who reads this paper surely must be a little thrilled at the prospect of such a monument to our lunar program. The total cost of this project is 20 million dollars.

According to Mawson, fifty thousand dollars have been raised and this will help gain the support of corporate sponsors who will be able to really supply the needed big bucks. NASA will allow the Apollo Society time to raise funds until the end of 1986 after which time the tower will be scrapped.

I sincerely believe that this is a great project worthy of our support. Not only because we would be the first to see it, since we are so close to KSC, but because of the tremendous monument and inspiration it would be.

Time is important. If you would like to donate to this spectacular project, send your tax deductible donation (one dollar from everyone would help) to:

Apollo Society
P.O. Box 65762
Washington, DC 20035-5762

Guess Who Has A Job For You?

ATTENTION PAST & FUTURE CAST MEMBERS

If you're a Casual Temporary/Seasonal employee who may not have worked for us this Easter, last Christmas or last Summer and have not yet been scheduled to work this Summer, please call 828-2826, between 3:50 p.m., Monday thru Friday and refer to this ad when calling.

If you're not already a member of our Cast, additional jobs are available:

Food Service
Merchandise
Attractions

Tickets
Transportation
Custodial

You must be at least 16 years of age and have transportation and local housing.

Interested individuals should apply in person at the Walt Disney World Employment Center. Exposition Hall, Room 4 at 53rd Street, Buena Vista, north right off I-4 and follow the signs to the Employment Center. The Employment Center is open Monday through Friday from 9:00 a.m. until 6:00 p.m.; Saturday from 9:00 a.m. until 4:00 p.m.

Walt Disney World®

An Equal Opportunity Employer
© WALT DISNEY PRODUCTIONS

SPACE TECHNOLOGY

June launches promise busy Cape

Space Shuttle Discovery, Atlas/Centaur will boost payloads into orbit

By Jim Banke

Two launches are currently scheduled by NASA for the month of June. Unfortunately for rocket watchers here at Embry-Riddle, both launches take place the week of finals for Summer A, June 17 to June 21.

If all goes well, the Space Shuttle Discovery and an Atlas/Centaur expendable launch vehicle will boost their respective payloads into Earth orbit during the busy week.

Launch of Space Shuttle mission STS-51-G was originally scheduled for June 12 but was delayed because of a problem discovered with elements of its cargo.

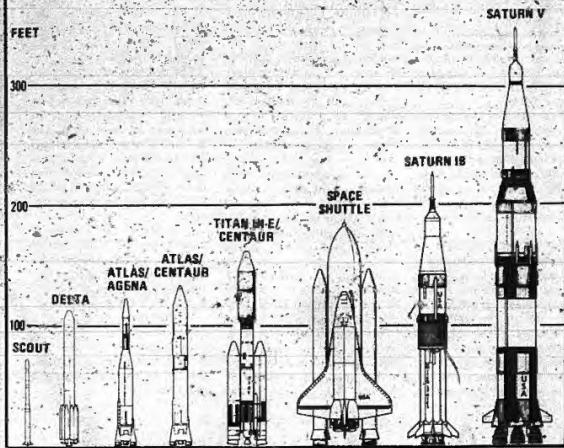
The problem was with the Antenna Positioning Mechanism (APM). The APM is an important device of two Hughes satellites which take up most of Discovery's cargo bay for this mission.

Following tests last Thursday on a similar satellite at the Hughes factory in El Segundo, California, an APM was found to have some problems which could be present in the APM system of the two satellites set for launch this month.

Hughes requested that the APM's from the TELSTAR 3D and MORELOS A be removed and flown to California for some adjustments. Both are models of the Hughes 376 communications satellite.

After repairs are made, the APM's will return to the Kennedy Space Center and be reattached to their respective payloads.

The orbiter was to have been towed from the Orbiter Processing Facility to a high bay of the Vehicle Assembly Building (VAB) yesterday morning. In preparation for the move this past week, technicians were busy completing tile repairs and water-proofing of the orbiter, as well as finishing repairs on the left elevon. The elevon was damaged during re-entry of Discovery on



Above are NASA's historic family of launch vehicles. Only the Space Shuttle, Atlas/Centaur, and Scout are currently in operation by NASA.

NASA. The Titan III and Delta may be launched in the future by other organizations; the Satluns and Atlas/Agena have been retired.

ing Facility for a high bay of the Vehicle Assembly Building (VAB) yesterday morning. In

the completion of its last mission in April.

The orbiter's brakes were also

damaged upon landing. The brake damage was responsible for Challenger landing at Edwards earlier this month. NASA has not decided where Discovery will land for STS-51-G, but it is

strongly believed that shuttle missions will land in California until the brake situation has been fully analyzed and the problem believed to be fixed.

Discovery is scheduled to roll out from the VAB to Pad A on

See Launches, page 5

Dryden's research 'On the Frontier'

By Brian Nicklas
Avion Staff Historian

ON THE FRONTIER - Flight Research at Dryden, 1946-1981 by Richard P. Hallion. The NASA History Series, SP-4303, National Aeronautics and Space Administration, Washington, DC, 383 pages, 72 photos, drawings, with index, notes and appendices.

This book is an overview volume on the history of a long overlooked place, The Dryden Flight Research Facility (DFRF), at Edwards Air Force Base, California. The Ames Research Center.

Tucked away on the high desert

of the Mojave, this facility is often confused with or mistakenly combined with the Air Force Flight Test Center (AFFTC) if shared by a lakebed at Edwards AFB.

The author of this NASA study is no stranger to the activities of the DFRF, as Hallion had written numerous works on the realm of flight testing. This prior experience is a boon to the reader, as the insights that Hallion is able to cull from past and present Dryden employees brings out points that have never before been covered.

In addition to coverage of

flights of such well-known craft

as the X-1 and X-15, detail is given on several heretofore obscure programs. Included are the years of pioneering work the DFRF gave the Remotely Piloted Vehicle (RPV).

It is interesting to find out that the core of personnel at Dryden would take their work home with them or work long into the desert night just to accomplish their goals. Given the small size of the staff located on the lakebed during DFRF's formative years, it seems the best of NACA/NASA's workforce was stationed there.

This volume does not just cover the pilots and engineers of Dryden, but also the administrators. In most cases, these men were out of the engineers or pilots as well. Hallion shows how this was indeed an advantage, as the administrators struggled, for funding (or even job survival) in periods where NASA had as its emphasis space, and not aeronautics.

There were even periods when the Facility was almost treated with disdain by their neighbors at the AFFTC, but due to a group

See Dryden, page 5

DOD missions could land at Easter Island

National Aeronautics and Space Administration

Washington, DC—NASA and representatives of the Government of Chile are discussing possible arrangements for emergency landing support for the Space Shuttle in the unlikely event of an emergency during launch from Vandenberg Air

Force Base in California, beginning in March 1986. These discussions are consistent with arrangements already made with other countries supporting launches from the Kennedy Space Center since 1981.

The Space Shuttle is the primary space launch system for the United States. Space Shuttle operational planning must pro-

vide for emergency landing options for all phases of the flight to protect the lives of the crew and the integrity of the space vehicle.

Since the first launch of the Space Shuttle in 1981 from Kennedy Space Center, NASA has had plans for trans-Atlantic landing sites (TALS) and contingency landing sites (CLS), in addition to the primary landing sites for each mission. This is consistent

with relevant international agreements relating to the rescue and recovery of astronauts in distress and return of the space vehicle.

Space Shuttle launches are scheduled to begin from Vandenberg in early 1986. These launches also will have a requirement for one or more trans-Pacific landing (TPL) and CLS sites in the Pacific Basin.

It was determined the Mataveri Airfield, on Isla de Pascua (Easter Island), had the potential for serving as a Space Shuttle TPL/CLS in the unlikely event of a life-threatening emergency on the shuttle.

While the probability of a contingency Space Shuttle landing in extremely remote, the identification and preparation of suitable CLS locations is consistent with prudent operational planning.

The Government of Chile and the Government of the United States are currently discussing this possibility.

A Chilean contractor is presently undertaking preliminary designs for minor improvements at the airfield, which would be necessary in the event an agreement is reached. Improvements would be in accordance with existing land use statutes and regulations on the island. This is preliminary design. Any subsequent activity would be contingent upon final agreement of the Government of Chile.

Volusia Cycle

CITONE ROSS
TREK BENOTTO



10% Student discount on all accessories with I.D.

955 Orange Ave. • Daytona Beach • 252-6821

Mon - Fri, 10-5:30 • Sat, 10-4:00

NASA to go for another rescue mission

National Aeronautics and Space Administration

Washington, DC—The National Aeronautics and Space Administration (NASA) and Hughes Aircraft Company have jointly agreed to develop plans for a Space Shuttle mission that will attempt to salvage the Hughes Leasat 3 satellite in orbit.

The technically complex salvage attempt will provide an opportunity to extend the Shuttle's demonstrated capability to rendezvous with and salvage satellites in space.

Negotiations with the underwriters insuring Leasat 3 have been conducted by Hughes in New York and London. Agreement has been reached with Lloyd's and other European underwriters to proceed with the attempted salvage. Negotiations are continuing with the American underwriters.

Although the joint salvage effort will include elements never before attempted, the rescue at-

tempt is based largely on experience gained by NASA during its repair of the Solar Maximum Mission satellite in April 1984 and the retrieval of the Palapa B-2 and Westar VI satellites in November 1984.

Pending an independent review of safety considerations by the Aerospace Safety Advisory Panel, the mission, as currently planned, will occur during Shuttle flight 51-J, now targeted for launch no earlier than August 24. This date marks the opening of the window for rendezvous with the Leasat spacecraft. Mission duration will be eight days to accommodate the Shuttle rendezvous phasing required.

"Following two flawless Shuttle deployments and satellite activations of Leasat 1 and 2 in August and November of 1984, Leasat 3 failed to activate itself after successful deployment from Shuttle orbiter Discovery on April 13, 1985, during mission 51-D."

The satellite is currently drifting in low earth orbit without

command-and-telemetry capability. A rendezvous and salvage maneuver on April 17, featuring Rhea Seddon using the improvised flyswatter, occurred as planned, but the satellite failed to respond.

Immediately after the failure, Hughes initiated an intense investigation of all likely reasons for the failure. Although the cause of failure can be isolated to the components and circuits involved in activating the satellite, no specific cause of failure has been firmly determined because of the limited flight data available.

The salvage plan involves modification of the satellite during rendezvous by two of the Shuttle crew to permit ground command of the satellite. The complexity of the modifications to be made to the satellite by the Shuttle crew, appreciably limits the chances of success.

Leasat 4 will be launched during the same Shuttle flight 51-I. If the 51-I mission is completely successful, Leasat 3 and 4 will

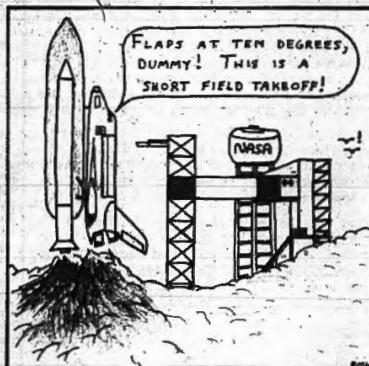


NASA photo

NASA announced it will attempt a rescue of the Hughes satellite which failed to initiate following deployment from *Discovery* on mission 51-D. The rescue will involve astronauts

fulfill Hughes Communications' commitments to the Leasat 4 satellite are in progress which will also permit ground command of the post-deployment sequence if necessary.

Airmet Charlie by Buck Wyndham



Ariane space blasts two into orbit

GTE ignores NASA's Space Shuttle, launches on a French Ariane



An Ariane booster lifts a payload into orbit. This is the Ariane 1 vehicle, similar to the Ariane 3 booster which launched two satellites May 7.

By Jim Banks

An Ariane launch vehicle, Ariane 1, placed two satellites into geosynchronous Earth orbit Tuesday, May 7. This was the thirteenth launch of the French expendable launch vehicle. The payload included the GSTAR-1 and TELECOM-1B satellites. Both will be used for communications purposes.

Launch took place at 7:56 pm EDT from the Guiana Space Center, Koura, French Guiana in South America. The site is 5.23 degrees north of the equator, which takes nearly maximum advantage of the Earth's rotation speed. This is especially helpful for geosynchronous orbits. Guiana's coast, where the launch pad is, allows for orbital inclinations between five and ninety-three point five degrees.

TELECOM is a product of the

French space communications agency Centre National d'Etudes des Telecommunications (CNET). TELECOM was created for use of the French metropolitan areas to communicate among themselves, other European areas, and French colonies around the world. The satellite is capable of handling audio, video, and data transmissions.

GSTAR is the first in a second series of communications satellites being launched for GTE of the United States. To date, GTE is the only American firm to say no thank you to the Space Shuttle and launch on an Ariane. GSTAR requires C-Band antennas which will operate sixteen channels for audio, video, and data transmissions all over the United States, including Alaska and Hawaii.

GTE has placed two SPACENET satellites into orbit for long distance telephone service.

via GTE-Sprint. One more SPACENET and two more GSTAR satellites have been authorized for launch. One additional version of each satellite has been requested.

ArianeSpace owns and operates the Ariane launch vehicle. ArianeSpace is the world's first privately owned commercial launch service. It was created on March 26, 1980 by the thirty-six main European manufacturers in the aerospace and electronic industries as well as by members of thirteen European banks. The French version of NASA, CNES, also had a hand in forming ArianeSpace.

The launch of Ariane 13 used an Ariane 3 launch vehicle. This vehicle stands 160 feet tall and weighs 237 metric tons. The Ariane 3 vehicle is different from the Ariane 1 in that it has two strap on solid rocket boosters attached to the first stage.



MOTORCYCLE CLUB SPONSORING

THE MOTORCYCLE SAFETY FOUNDATION'S BETTER BIKER SAFETY COURSE

Regularly \$35.00

Sat June 8
8am to 4pm

Now thru the
Riddle Riders \$5.00

Shave seconds off your reaction time. Limited Registration
Improve collision avoidance techniques. Contact STUART
ERAU Box 4847 NOW!

FAA (continued from page 1)

past Wednesday. The visit included the Daytona campus and the Bunnell-Palm Coast area. Fortunately, the recent fires in the Flagler County area did not affect the proposed site.

"The Palm Coast area has been very supportive to us," Motzel said "they will provide the land for the facility." Although the exact cost figures were unavailable Dr. Motzel said "We can swing the deal with the correct financing through a mortgage and" Motzel added "we should see a 300-500 million dollar impact to the area over the next 20 years."

Motzel explained that the FAA will lease the facility for at least 10 years with two five-year options after that.

ITT Community Development Corporation, Giblone Building

Launches (continued from page 4)

June 3. Two days later the launch controllers, as well as the crew, will go through their standard countdown demonstration test. This is a needed dress rehearsal for the complicated launch vehicle.

The launch is now scheduled for no earlier than Monday, June 17, with a launch time of somewhere close to 7:30 am.

Atlas/Centaur 64 is scheduled for launch on Wednesday, June 19. The launch windows were not available at press time, although launches of this kind have predominantly occurred at dusk. The booster will carry the ninth in a series of ten Intelsat V communications satellites.

One of NASA's last expendable launch vehicles is now poised for lift off at Complex 36 on the Cape Canaveral Air Force

ment of the Florida area," Motzel said. Among Gilbane's construction projects was the Kennedy Center for the Performing Arts, and National Air and

Space Museum in Washington D.C.

The FAA has scheduled the opening of operations at its new facility October 1, 1986.

effort, the complex rose above this.

Today the Facility is revered as a leader in aerogelous research.

Sometimes the book does seem to be dry reading, and this isn't helped when the statistics for various flights or aircraft are listed in metric terms (I still prefer my altitudes to be given in feet).

But the stories contained more than make up for this. How else can you find out about drag-racer Mickey Thompson preparing a car for aircraft towing during the lifting body tests?

Review copy courtesy National Aeronautics and Space Administration.



The X-15, shown here under the wing of its B-52 carrier plane, is one of the many experimental programs at Dryden highlighted in *On the Frontier*, by Richard Hallion.

ERAU students win local scholarships

By Geoff Hunt
Scholarship Committee

The Scholarships and Awards Committee is pleased to announce that scholarships and awards for the 1985-86 academic year have been awarded.

Sincere thanks are expressed to the local individuals and organizations who have contributed to this year's scholarship fund. Total contributions for student financial aid came to \$15,600.

Recipients of the awards are as follows: John Reid and Ross Stearn, \$1500 ERAU Board of

Visitors Scholarship; Charles Schramer, \$1000 Maurice F. Taylor Scholarship; Jeff Kohlman, \$1000 Jay Adams and Assoc. Inc. Scholarship; Elizabeth Fisher, \$200 Christopher Seferidis Perpetual Scholarship Fund; Mary McKeown; \$1000 Richard L. Vazzagno Memorial Scholarship.

Eugene De Paole, Eric Heilou, Mary McKeown, Lester Mirabal, Bruce Murphy, Kenneth Ralich, John Reid, Mike Reiman, George Simone, Rich Smith, Ross Stearn, and Harold Stenger all received \$750 Student Government Court Scholarships.



Embry-Riddle commends those students who strive to better themselves.

Ad Courtesy of your SGA in cooperation with the AVION.

NEWS

The Extra Point

The Fun, The Excitement, The Farce

By Brian Mosdell
Avion Sports Editor.

As the camera fades into the scene, the combatants enter the ring. It is the two dreaded foreigners, the Iron Sheik of Iran and Nikolai Volkov from the USSR. Their opponents, two no-name American wimps.

From the moment Volkov sang the Soviet national anthem, the end was in sight for our fine national representatives. The action in the ring was little more than predictable. The communist bloc goons did everything but hang the seemingly non-enthusiastic Americans out to dry. "Piledrivers", "Cobra holds" and illegal double-teaming were nicely added to the dance routine.

Could this have been a setup to preview next week's contest? The big, bad, hated "red guys" vs. a couple of wrestling's favorite All-American heroes, dressed in red, white, and blue. It is possible, no, probable. Something is wrong with a sport trying to convince us of its authenticity, when the referee is totally uninvolving. Why does the referee ignore blatant cheating? Is he afraid of the wrestlers? No, that is his role in this glorified farce.

Next we have Rowdy Rodney Piper in "Pipers Pit". Okay, maybe he is rowdy, but he certainly doesn't look it wearing a pretty skirt down to his knees! What starts out as "friendly counseling" between two wrestlers, evolves into a totally unplanned (HAI) outburst of fistfights.

Before long, the two grown men have finished playing leap frog and Rowdy Rod emerges victorious. In the midst of this mayhem, it is Mr. T (Rod's nemesis) to the rescue. Why, you may ask? Because the "A Team" is washed up and Mr. T knows it! An actor, delving into a new area of showbiz, before it is too late.

The choreography behind professional wrestling is well done. Not quite as good as *Cats* on Broadway, but nevertheless exciting. If you enjoy wrestling for the entertainment, that's great. If you watch believing it to be unfunny, go see the school psychiatrist. The first visit is free!

Golf team scholarships awarded

Awards up to 500 dollars available for five Fall semester 'duffers'

By Brian F. Finnegan
Avion Sports Writer

Funding a competitive inter-collegiate golf team is the difficult and time consuming task undertaken by the ERAU Golf Team this past year. To meet this challenge, the club has started a scholarship fund which offers up to \$500 tuition dollars as an incentive to attend Embry-Riddle and play on the team.

Because the Embry-Riddle team is small, talented golfers will have an opportunity to play right from the start. Most larger schools have teams that are highly competitive and may require several years before playing on the first squad.

Dick Bryant, ERAU golf coach, explained that the club is "embarking on a national

recruiting program to familiarize high school golfers around the country with our school." He said the club goal is to develop a highly competitive golf team while providing a program designed to allow qualified students to earn a degree and to compete inter-collegiately as a member of a respected and successful golf team.

The first two recipients of scholarship funds were chosen recently and announced by Coach Bryant. They are Tim Walton and John Rossi from Rochester, N.Y. "They have outstanding junior golf records and have the potential to become fine college golfers," said Coach Bryant. They will begin their ERAU experience in the fall.

To promote the competitive spirit, the club will offer financial

assistance awards for the five low-average score players during the fall season. These awards will be \$500, \$400, \$300, \$200 and \$100 for number one through five respectively. The club plans to provide increasing financial aid in future years as the program develops.

The bulk of the funds comprising the infant scholarship fund will come from the benefit tournament the club is sponsoring June 13 at Pelican Bay. The tournament is open to 36 foursomes and will offer individual and team prizes donated by local golf shops, golf courses and other businesses. The top prize, a two-day golfing vacation at Greenleaf Golf and Tennis Resort, will go to the winning team.

Those planning to play in the ERAU Golf Scholarship Fund

Invitational Tournament are encouraged to sign up without delay. The tax-deductible donation of \$50 per person is due by June 10. Because the field is limited to 36 teams, entries will be accepted on a first come basis.

Entries should include each team member's name, handicap and telephone number. Checks should be made payable to: ERAU Golf Scholarship Fund and mailed to John Rogers, P.O. Box 1095, Embry-Riddle Aeronautical University, Regional Airport, Daytona Beach, FL 32014.

For more information, contact Tournament Chairman John Rogers at 253-0010 or Coach Bryant during the week at 252-5561 ext. 1272 between 9:30 and 10:30 a.m. or from 12 noon to 12:30.

Softball Stats

Team	W	L
No Names	2	0
Sig Laws	2	0
Ball Busters	1	0
Cling-Ons	1	1
F.A.F.	1	1
Flight Tech	1	1
Stray Cats	1	1
Tailhookers	1	1
Vets Club	1	1
Kings Ransom	1	2
A.H.P.	0	2
Gangbangers	0	2

Softball Results Last Wednesday

No Name	Score	Batters
Gang Bangers	0	0
A.H.P.	7	8
Kings Ransom	8	8
Sig Laws	8	3
F.A.F.	11	9
Stray Cats	9	16
Tailhookers	16	0
Cling Ons	7	7
Flight Tech	11	18
Vets Club	"Need a Team"	

Soccer Club

Kicks Off

By Brian Mosdell

The ball is rolling! Last week's request for soccer generated an enthusiastic response among players all over campus. My list of participants is hovering at twenty, but this is merely the tip of the iceberg. I have also spoken to Michael Altearras, who has run previous soccer clubs. He knows of many more interested.

With the help of Leslie Whiteman in Recreation, we are starting to become fully organized. A competitive fall schedule is highly likely providing the players themselves are ready to go all out. So far there have been three helpful practices. This week's practices will be held Tuesday and Thursday at 6:45 and 7:30 respectively, and Sunday at 5:00.

The AVION Advertising Department

Avion

Now has positions open for Salesmen and Graphic Artists. If you are interested in earning a few extra dollars selling advertisements on a 20% commission, or sharpening your design talents, contact Doug Lando, Avion Advertising Manager, ext 1082 for details.

CENTRAL FLORIDA FLIGHT CENTER

and

Daytona Beach Flight Center, Inc.

Owned and operated at the CFFC location.
1310 Vindicator Ave.

If you're checked out at ERAU, you're checked out here.
Cessna 172, Cessna 172RG and Seminole.

Coming Soon! Cessna 303 Crusader, for rent!



1310 Vindicator Ave. • Daytona Regional Airport

Rentals

	Per Hr
C-152	\$27.00
C-152 Aerobat	\$30.00
Tomahawk	\$27.00
Skipper	\$27.00
Cherokee 140	\$30.00
C-172	\$40.00
C-172RG	\$50.00
Warrior	\$40.00
Arrow	\$49.00
Seminole	\$59.00

Phone 258-1779

- Written tests given 7 days a week.
- Fun atmosphere to learn in. (*You're not a boot camp private*)
- Luxurious pilots' lounge available with large screen TV and VCR.
- Well qualified flight instructors. (*If you are a CFI, teach with the best.*)
- New canteen and video games coming.
- If you are checked out at ERAU, you are checked out with us.

Phantom's combat history makes interesting reading

By Brian Nicklas
Avion Staff Historian

PHANTOM In Combat, by Walter J. Boyne, Smithsonian Institution Press, Washington, DC, 176 pages, 270 photos, with appendices.

This book is exactly what the title says. **PHANTOM In Combat** is a description of what it is like to fly the F-4 in the aerial arena; a story told by pilots from the U.S. while in Southeast Asia, and Israeli pilots in the various wars in the middle east.

Boyne, who is Director of the Smithsonian Institution's National Air and Space Museum, as well as a Air Force veteran of Southeast Asia, brings the combat story of the Phantom along in a very readable style, making sure to point out how the operators of the fighter were hamstrung by

policy beyond their control.

The first chapter of the book serves as a taste of what is in store for the reader. The chapter also touches the edge of the iceberg that is the world of the military pilot's language of acronyms and slang (such as MiGCAP and

"Gomer").

In the second and third chapters, Boyne covers the parentage of the Phantom and its design, including the story of how the F-4 was almost named SATAN instead. (How would that have affected sales to other

countries?) The design of the Phantom is not covered in the detail that one finds in the more specialist publications, as that is not this book's purpose. Instead, it tells why the aircraft's design changed from model to model.

The next three chapters deal with the F-4 in Vietnam, and these chapters convey, not only the excitement of aerial combat, but also describe the boredom of patrol with no hope of "hassling" with the enemy. The dangers of flying are also looked at, in particular the hazards of landing after the sortie has ended. These sections are brightened by stories from aces such as Willy Driscoll and Steve Ritchie, as well as items culled from official reports.

Following the aforementioned chapters, the weaknesses of the Phantom are outlined, notably its big, smoking J79 engines and the ability of the F-4 to drop into the spin mode. But also shown is the

adaptability of the "4", as it covered roles ranging from fighter to electronic countermeasures.

The use of the F-4 in the Middle East is also discussed, although as Boyne points out, there are no reports forthcoming from the Iranian Islamic Revolutionary Air Force on how their Phantoms are doing against Iraq.

The book concludes with a list

of F4 variants, and a listing of MiG killers in Vietnam.

Considering the book is a combat history of the Phantom, it is slightly disappointing that the groundcrew's point of view is not included. Also, a list of Phantom losses, with the cause, would have been welcome.

Review copy courtesy Smithsonian Institution Press.



The RF-4C (this example from Eglin AFB, Florida) is one of the many variants of the Phantom discussed in Walter Boyne's new book *Phantom in Combat*. Avion photo by Brian Nicklas

Delta captain assures future pilots

(continued from page 1)

Regulation violations, and potential health problems will be emphasized because, as Captain Vieh said, "disability retirements are costing millions."

Captain Vieh assured future professional pilots that they "will be competing with civilians," in the main, adding, "Every Rating you have makes you easier to sell, more competitive."

Flight attendants and entry-level positions, such as baggage handling, ramp service, and

cabin service would be the easiest way to get into the Delta family, Vieh stated. "If you're bright and industrious, you'll be on your way up."

—Captain Eugene Vieh, Jr.

A female hired as a flight attendant is currently a Captain, proving there is opportunity for advancement. Management at Delta is homegrown, promoting

is done from within the company. One of Delta's philosophies is to be "deliberately conservative," said Vieh.

Captain Vieh also mentioned

Delta has a computer company subsidiary. Delta also retrofits its own aircraft as well as others', such as United Parcel Service planes.

Asked about the salary of pilots at Delta, Vieh answered, "If you compare apples with apples, if we are not the highest paid in the world, we're right there."

Captain Vieh mentioned that he treats his competition with respect, and asked his audience to treat what he said with respect as well. "Don't base your life on anything I've said, it could be an error or things could change tomorrow," suggested Captain Vieh.

EAA announces 'World of Flight' photo contest

Announcement of the "World of Flight International Photo Contest," which coincided with National Photography Week (May 6-12), was made by EAA Director of Marketing and Communications Richard J. Matt.

The contest is open to all amateur and professional photographers throughout the world and will carry a "World of Flight and Sport Aviation" theme. Four entry categories will be offered: Ground to Air; Ground to Ground; Air to Air; and Human Interest. Each category will be awarded one first place, one second place, two third place and eight fourth place prizes provided by Canon, the "official camera of EAA." In addition, one photo will be awarded the overall Grand Prize—the new professional Canon F-1 camera with 50mm, 1/1.4 lens. Total value of all prizes exceeds \$10,000.

Those entering the contest may submit a maximum of four photos per category. All official entry blank must be attached to each entry. Entry blanks containing complete contest information may be obtained by writing EAA Photo Contest, Wittman Airfield, Oshkosh, WI 54903-3086.

1. A notice will be posted on the Career Center bulletin boards informing students of organizations scheduling campus interviews.

- When feasible, sign-up dates will be established three (3) weeks prior to scheduled interview date, closing one (1) week prior to interview date.
- Sign-up will begin at 9 a.m. in the Career Center on the opening day and will end at 4 p.m. on the closing day.
- When the schedule is full, an overflow list will be established.
- Individuals who sign up during the open period and do not bring in all the required paperwork by the end of the closing date will be removed from the schedule and the next eligible person on a reserve list will be contacted to fill the vacancy.
- Scheduled appointments are not to be canceled except in extreme emergency.
- Candidates who do not keep appointments must write a letter to the employer representative and submit a copy to the Career Center.
- Two missed appointment will result in the loss of campus interviewing privileges.

Foreign Student Notice

Foreign students who are completing their course work in Summer 1985, are advised that INS regulations require they leave the country 30 days after the date of their last class. Please be sure that the Records Office has your complete address so that your degree can be sent to you after the August '85 graduation. Please see Mrs. Bradshaw/Records or Charlotte Skinner/F.S.S. if you have any questions.

Dispatcher Co-op

Dispatcher positions are available with People Express Airlines for Fall Co-op. Requirements include A.S. with flight; prefer dispatcher course work. Interviews are June 5. For more information, contact the Career Center.

Summer, Fall Graduates

Students anticipating Summer (June or August) degree completion are required to fill out graduation applications no later than Friday, June 14, 1985. Please be advised that *NODIPLOMA* will be ordered if this application is not processed by the Registration and Records Office.

Note that ALL Summer degrees will be conferred and diplomas will be dated August 17, 1985. Diplomas will be released at the graduation ceremony or available at the Registration and Records Office on August 19, 1985. However, if students need verification of degree completion by the end of Summer "A" term, a request may be made through the Registration and Records Office.

FALL GRADUATION applications are being accepted now and a student will be given a *PRELIMINARY GRADUATION EVALUATION* in order to help prepare for a smooth completion. Any necessary changes to a student's Fall registration can be done during the add/drop period.

Senior Class Officers Needed

All graduating Seniors who are interested in running for the office of Senior Class President or Vice President need to make an appointment to meet with Laurie Ranfors, Senior Class Advisor, before Friday, June 21, 1985, in the Student Activities Office, extension 1049.

Klyde Morris THE NEXT BOOK



Just when you thought it was safe

to go back in the bookstore...

It's here... Yes, **KLYDE MORRIS** returns—in book form.

54 pages of your favorite Klydes.

"Beware of Unsuccessful Imitators..."

Sold exclusively in the ERAU bookstore.

MASS

7:00 P.M.

Every Sunday

Common Purpose Room U.C.