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elections
tonight**

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AVION



An Award-Winning College Newspaper

February 6, 1985

Embry-Riddle Aeronautical University, Daytona Beach, Florida

Volume 49, Issue 3

Top 5 at 24-Hour go to Porsche

By Brian Nicklas
Avion Staff Reporter

The 1983 SunBank 24 Hours of Daytona is over after 24 hours, 1 minute and 36.240 seconds. The winning car, a Porsche 962 driven by Bob Wollek, Thierry Boutsen, A.J. Foyt and AL Unser Sr., finished 702 laps for a total of 2,499.12 miles on the 3.56 mile Daytona International Speedway road course.

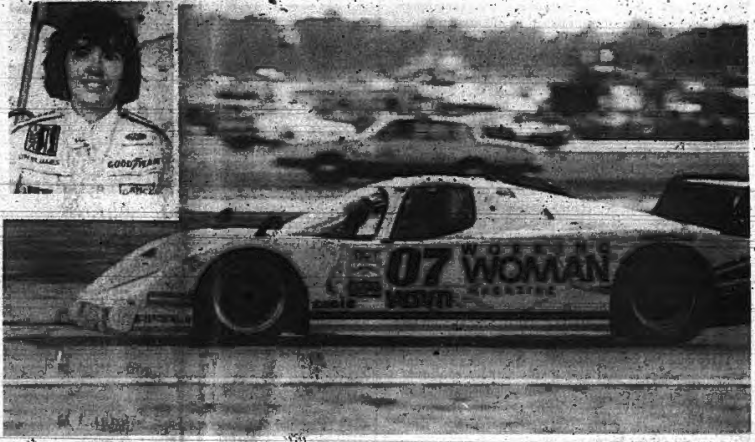
The 24 hours were led by the no. 14 car, a Porsche 962 from Holbert/Lowenbrau Racing. Unfortunately for the Lowenbrau car, the lead they had held since lap 107 faded away as problems with fuel filters and an electrical junction box took time in the pits and stalled the car while it was on the track. Derek Bell, who spent a lot of time behind the wheel of car 14, was distressed with having the win snatched away from his team, and vowed never to compete in 24 hour races after this year. (Bell is committed to run in this year's 24 hours of LeMans.)

One of the more unusual sights in this race was the appearance of car 5, the Porsche 962 of Coca

Cola/Bob Akin Racing. During the night, the car took some damage to the nose fiberglass, and the replacement part was borrowed from car 86, which is sponsored by Bayside Diaporal. While the parts fit, the colors did not match, as the Coke car is all red and Bayside's vehicle is mainly white. But color doesn't count at Daytona, just speed and endurance, which car 5 showed with it's fourth place finish.

Other than tires and gas, the parts-which take the most attention from the pit crews are brakes (both rotors and brake pads), gearboxes and bodywork. The bodywork on the Porsches was swapped a lot throughout the night, and at 6,000 dollars for the nose cap, racing isn't cheap.

There were knocks and bumps between racers all night, but the most serious collision was between Bill Cooper in the Scyphers-Ankor Corvette and Pete Halmser in the number 68 B.F. Goodrich Porsche 962. The two collided on the entry to pit row, and although the cars were destroyed, both drivers were able to quickly tear from their vehicles.



Lyn St. James of Dania, Florida rapidly approaches an infield turn in her Ford Argo during the early portion of SunBank

24-hour at Daytona. St. James' car was beset with gearbox problems, and put in just 54 laps before retiring.

The most serious incident took place when the Group 44 Jaguar driven by Bob Tullius caught fire at 10:30 p.m. Tullius was slightly burned and was transported to Halifax Hospital for the treatment of his burns and for smoke

Birds threaten airports

AAAE-sponsored seminar presented by Wildlife Commission

By Gus Carbonell

All of us involved in aviation are aware of the serious problems that bird strikes can create in terms of aircraft accidents. Recently, the Embry-Riddle chapter of the American Association of Airport Executives sponsored a seminar on the control of bird hazards at airports.

The speaker was Dick Thompson from the United States Fish and Wildlife Commission. Mr. Thompson is vested with the responsibility of assisting airports in the southeast with any bird control problem they might have.

The main emphasis of the discussion centered on the control of birds through discouraging the use of airports as roosting and nesting areas. According to Mr. Thompson, "birds are attracted to airports because of the

easy availability of water and nesting areas." In order to discourage this, the U.S. Fish and Wildlife Commission recommends that areas of standing water should be covered with netting in order to prevent access to them by birds. Other techniques include proper grass height, elimination of open trash areas, and covering of nesting areas.

One of the other main factors to birds being attracted to airports is the growth of urbanized areas around airports. "Birds have nowhere to nest so they go for the nearest open area of water," according to Mr. Thompson.

Although the main concern of any airport manager should be to prevent bird hazards, bird flocks will eventually appear on and off property. When this happens, the course of action should be swift and efficient in order to properly remove the bird problem.

After the seminar, Mr. Thompson gave a demonstration on the actual methods used to

scare birds away from airports. There are two basic forms of removing birds from airports; these include lethal and non-lethal approaches. The lethal approach is the least desirable of these two since it involves destruction of the birds. This would cause problems, especially if the bird is from an endangered species.

Non-lethal approaches are the most desirable. These would include ultrasonic noise, natural noises, pyrotechnics, and removal. Ultrasonic noise has not proved to be very effective since the birds become accustomed to the noise. The use of natural noises would usually involve tape recordings of different birds in distress. Pyrotechnics would usually involve the use of loud noises and flares to scare birds. The problems encountered with pyrotechnics is that with repeated use, the birds become accustomed to them.

See Birds, page 3

Fake bomb discovered at Campus Housing Office

By Richard Calvert

In an attempt to avert a possible explosion, the Daytona Beach Bomb Squad was dispatched to Dorm II early Thursday. Attached to the Housing Department door was a suspected bomb wrapped in duct tape and wired to the interior of the office. Specialists in their field, the squad quickly removed the device and carried it to their laboratory for further analysis.

The first to spot the apparent

bomb, Ms. Valerie Herron (an employee in the Housing Department) commented, "I didn't see any timing device attached." According to one security officer, Ms. Herron reported the object to maintenance workers soon after she spotted it. "At 8:00 or 9:07 a maintenance man called in the report to authorities," the officer stated.

Having notified the officials, security personnel promptly took action to remove students from surrounding sections of

Residence Hall II. According to several students, however, many rooms were not opened and searched for sleeping students. Students were sighted walking from their rooms long after the officers had "cleared" the wings.

As police vehicles arrived at the scene, students began to gather around the area. Riddle security maintained approximately a thirty-foot radius from the apparently explosive device. During

See Fake, page 3

Lockheed training project mechs

E-RAU a 'training camp' for government-sponsored building

By Craig A. Pellissier
Avion Staff Reporter

During the past, many E-RAU Aviation Maintenance Technology students have been uncertain as to what aspect of aviation maintenance they wished to enter. However, due to an increase in U.S. defense spending, Lockheed Georgia has arranged training seminars to familiarize prospective aircraft assemblers with the Lockheed method of production.

Embry-Riddle was selected by the Lockheed staff as a "training camp" for graduating AMT students. The second of the two week training sessions was finalized on Jan. 25.

"With a little on-the-job train-

ing, they became very competent mechanics," said Frank Moore, a Lockheed training instructor. He also mentioned that everyone who passes the three-week, 120-hour course will be offered a job.

Prerequisites for Lockheed employment are an A&P license, U.S. citizenship and a recommendation by a Lockheed instructor. The program seems to be well-received among students. "It seems like a good chance to break into aviation and the advancement possibilities seem good," said Andy Koplime, an AMT graduate. Grant Parmley, also an AMT graduate, felt that "the Lockheed program is very good, but I'm also looking forward to begin working."



Lockheed instructor Frank Moore (right) shows AMT grad Bill Madden some of the finer points of riveting

Florida revises CLAST guideline

By Brian F. Finnegan

The Florida financial aid office has revised its regulations concerning the College Level Academic Skills Test, recently. The change permits students who have completed 60 trimester hours or more toward their degree, or have received an AA or AS degree, prior to August 1, 1985 to be exempt from taking the CLAST exam.

To be exempt from the CLAST, students must have earned 60 credit hours toward their degree by the end of the Summer A 1985 term. "It must be emphasized that the 60 hours must apply to the student's degree program and that only the

appropriate transfer credits will count," said CLAST Coordinator Dr. William Grimes.

Under the new guidelines, no one will be required to take the CLAST exam originally scheduled for March 9, 1985. However, the exam will be administered on June 1, 1985 to the those students who will complete the appropriate credits during Summer B 1985. The basic rule, according to Dr. Grimes, is that Florida financial aid recipients must take the CLAST during the trimester in which they will earn 60 credits. The CLAST represents an effort by the Florida financial aid office to assure that students are achieving a specified ability-level

See CLAST, page 3

Editorial

Think for yourselves: Report campus crime

Don't let idiots determine your destiny

So, who's in charge around here? Are the responsible students on this campus, here to pursue a hard-earned education, to be duped by a few of our insensitive, unthinking associates? Are we to be gypped daily of our rights by those who think they can change the face of our day on a violent, #him resulting in bombs and threats?

Embry-Riddle, like all learning institutions, functions daily by a set of regulations designed to maintain a proper learning atmosphere. When the regulations are disregarded by students who can't seem to get beyond the 'look at me' third grade mentality, we all have to lower ourselves to deal with the ensuing chaos. It is not fair to those of us trying to concentrate on studies, nor is it fair to the Avion staff who have to report all this childishness.

The recent pipe-bomb incident at Dorm II and the subsequent fake bomb placed at the on-campus housing office is a tiring example of the aforementioned nonsense. The person or persons involved think they are being funny. Do the people who know this madman also think it's funny? Do they think that just because they didn't actually do it, they are not guilty? Well, they are guilty.

Anyone who has knowledge pertaining to the rash of bombs that have threatened our community here at Embry-Riddle has a responsibility to their fellow students and to the person perpetrating this outrage to come forward. No one has been hurt...yet.

When someone is hurt-and if this activity continues someone will surely be hurt-how will you feel when you realize you could have prevented it? Do not wait. Speak up and identify those that threaten your peace. Take charge of your life. Think for yourself. Don't let some idiot lead you down the road to destruction.



has the cost of the cleaning service it passed onto the residents of the dormitory, we are not merely expressing meaningless gripes. We are customers here at E-RAU, not inmates, and we have the right to demand what we pay for.

In summary, I do not plan on providing the cooperation and understanding that Mr. Fountain was so sure we would. The university has fallen short on its responsibilities to its customers, and as would happen if we students fell short of our responsibilities to the university, someone is going to hear about it.

Adam Hitcher
Resident, Dorm II

studied and experimented with the following spin recovery technique with excellent results in practically every type of airplane they ever flew aerobically in.

- The procedure is as follows:
1. Close throttle
 2. Let go of the stick
 3. Pull opposite rudder until the rotation stops
 4. Center rudder and pull out of the dive.

Autorotation
Lift is required to keep an airplane flying. The coefficient of lift increases to a certain point as the angle of attack increases. At the critical angle of attack the coefficient of lift stops increasing.

Beyond the critical angle of attack the coefficient of lift decreases, an important factor in a spin.

Suppose an airplane rolls around its longitudinal axis. The descending wing has an angle of attack which is greater than that of the rising one. If both angles of attack are beyond the critical value, the rising wing will produce more lift and the descending one less. This forces act to continue

the rolling motion known as autorotation.

To get back to drag, we know that beyond the critical angle of attack the coefficient of lift decreases but the coefficient of drag increases. This means that at an angle of attack beyond critical, the descending wing produces more drag and, therefore, tends to move back. The opposite is true with regard to the rising wing, therefore the airplane also jaws around its vertical axis. This combined with autorotation results in the typical behavior of an airplane in a spin.

Since we now know why an airplane moves as it does in a spin, we can decide how to recover from one. This requires a force and as long the airplane is in the air we can produce the force aerodynamically.

Stopping Autorotation
An airplane has three controls and the engine. The engine won't be of use in the recovery since it increases the angle of attack when the direction of the spin is opposite to the direction of the engine rotation, and it increases the stall rate when the directions are the same. Therefore, we should close the throttle.

If we let go of all three controls, they will move to a specific position. Moving them from that position results in an aerodynamic force. Whether the force is helpful or not must be determined.

During a spin, the stick moves back and the ailerons and rudder move to the side of the spin.

If the ailerons are moved away from the direction of the spin the

roll rate increases. The aileron won't help so we might as well leave it where it stops on its own—to the side of the spin.

Pushing the stick forward also tightens the spin so we should let it stay free.

Applying opposite rudder is the only thing that will work, but it must be applied to the stop—the way. The autorotation will slow immediately, and depending on the type of the airplane, it will eventually stop. In most cases very fast. When the autorotation stops, the stick will center by itself. The resulting attitude will be a nearly vertical dive out of which we recover with neutral ailerons and a gentle pull.

Why then do manuals list such a variety of recovery techniques? They aren't necessarily incorrect if they are followed to the letter. The technique presented here, however, offers one advantage over the other ones: it works with all spins whether inside, outside, or flat (naturally, the airplane must be properly loaded).

In conclusion, a few recommendations: never spin an airplane not approved for spins, or one which is improperly loaded. Always start at a minimum of 4,000 feet until your sure about what you're doing. Always get some good instruction before attempting to fly spins on your own. The maneuvers most frequently resulting in spins are Hammerhead, Immelman, Vertical roll and Vertical skappa.

Safe flying!
Napa Somerto

See Letters, page 3

Letters

No patience

To the Editor:
I was under the impression that before a company receives a contract for certain work, it is assured that the contractor is capable of fulfilling its responsibilities.

Fountain asks us to be patient for another 30 days. No matter how you look at it, that's another four weeks. Added to the initial four weeks of this term, that makes eight weeks out of a 14-week trimester. That is a little too long to wait for adequate service to begin.

When you consider the fact

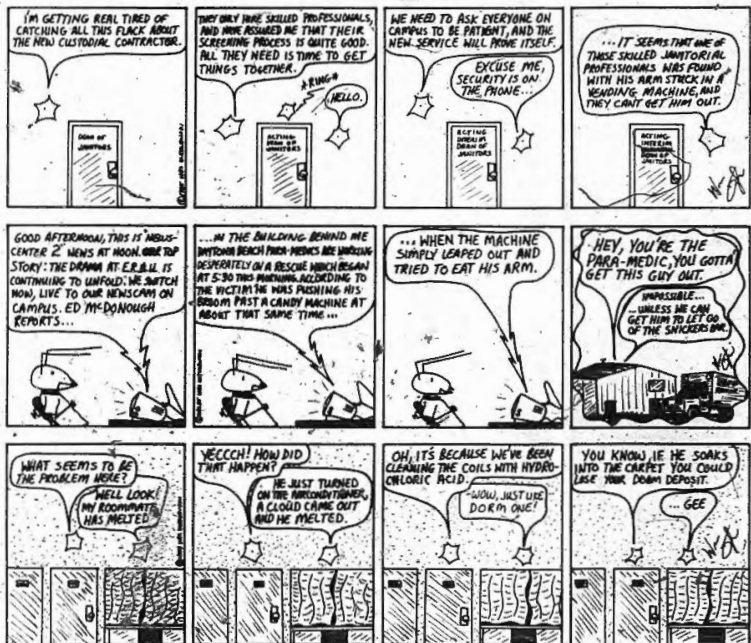
Spin control

Books have been written about spins, each explaining the aerodynamics of one as well as recovery techniques that often vary slightly depending on the author or the type of airplane being discussed.

A Swiss gentleman, Eric Muller, and an American, Gene Beggs, have both independently

Klyde Morris

wes oleszewski



the avion

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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. Names may be withheld on request at the discretion of the Editor.
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Bank lien does not mean bank liability

I was involved in an accident with an uninsured driver. He left town owing me \$325.00 for damages. A bank had a lien on his car, and the bank repossessed the automobile when the negligent driver left town. My insurance did not cover the damages. Is the bank legally responsible for the repair of my car?
The bank is not responsible for the damages to your automobile

since the bank merely had a lien on the driver's automobile and was not the owner of it. (A lien is the right to take and hold or sell the property of a debtor as security or payment for a debt.) Under most circumstances, an owner of a motor vehicle in Florida, as well as the driver of that vehicle, is responsible for damages to persons or property if the driver was negligent and was using the vehicle with the knowledge and consent of the owner.

I was fired from my job as a salesman with the explanation that I had cancelled out on an account that I did not want to handle. I received a letter from the company that

cancelled their account stating that I was not responsible for the loss of their business. I feel that I was unjustly fired. Can I do anything about it?
If you feel that your former employer improperly evaluated the situation, you should first try to resolve the misunderstanding with him. As a general rule, an employer may discharge any employee provided the firing is not based upon improper discrimination. Florida's Human Rights Act prohibits discrimination on the basis of race, color, religion, sex, national origin, handicap or marital status. In addition, there are numerous federal laws that prohibit unlawful job

discrimination.
Four years ago in New Jersey, we had an automobile accident. My wife received injuries and the insurance company paid her doctor what they considered a reasonable settlement. Now the doctor has sent my wife a bill for another \$500. Do we have to pay?
The New Jersey statute of limitations for bringing a personal injury action against a negligent driver is four years, so unless your wife filed a suit within four years of the date of injury, the insurance company can no longer be held accountable for her damages, including medical expenses. In any event, it was your wife who contracted for the ser-

vice of the doctor, and she is the party who was responsible when the doctor was rendered by the physician. The New Jersey statute of limitations on contractual claims, such as the providing of medical care, is six years. Thus your wife is responsible for the \$500 bill, and the doctor can enforce the claim by suing your wife.
What is the penalty under Florida law for sodomy?
There is no longer a valid sodomy statute in Florida. It was declared unconstitutional by the Florida Legislature in 1974. There is, however, a Sexual Battery Law which covers much the same conduct and has thus far survived

constitutional challenges. This law covers most sexual deviation situations (including rape) and carries various penalties depending on the ages of the victim and the offender. The lowest maximum penalty is 30 years, and the maximum penalty makes the crime a capital felony punishable by death or life imprisonment without the possibility of parole for 25 calendar years. Like all crime, the severity of the potential penalty is more than enough to create an adequate deterrent.
[Due to the complexity of the law, questions answered in this column are of general nature and may not necessarily apply to a similar legal problem.]

Central Florida moves across field; expands hangar facilities

By Louis M. Kady
Avion Staff Reporter

A fast-growing aviation fixed-base operation at Daytona Beach Regional Airport is packing up and moving to the other side of the airport.
On February 14, the Central Florida Flight Center will open the doors to its own brand new 16,000 square foot hangar, located directly off the airport's main entrance. Currently CFFC operates from a leased hangar and office space at the Sky Harbor complex.
According to CFFC partners Steve Bildman and Vic Johnson,

they built the new hangar because of the need for more space and to provide a better, more relaxed atmosphere. "You can say we are investing into our own future," commented Johnson.
The CFFC's new facility will offer the same aviation services as does the current facility, such as: aircraft rental, flight instruction, aircraft maintenance and fueling, and charter and FAA written examinations. "With the new facility, we'll be able to give FAA written seven days per week," says Bildman.
Because the new hangar is in close proximity to Daytona Beach Aviation and the Sheriff's

Department, Bildman has plans to gain more visibility. In addition to displaying a huge "General Aviation" sign on the hangar to attract transient aircraft, girls in bathing suits driving "follow-me" golf carts should help to lead aircraft to their facility. He humors that the gimmick will "be like bringing a little of the beach to the airport!"
Plans to begin scheduled airline service between Daytona Beach and Miami were also announced by Bildman. Central Florida Airways is expected to begin operation on March 1. Details on this service will be given at a later date. Currently,

the FBO offers charter with a Mooney 231.
The 20 aircraft available for rent at the CFFC include a multi-engine Piper Seminole and a helicopter. All the aircraft are either owned or leased by the FBO. "All certified flight instructors are welcome to teach in our aircraft, as long as they have been checked out," noted Bildman.
Bildman spoke about the "specialty flight instruction" which the CFFC plans to offer. "This Spring, we'll be giving a single-engine sea-plane rating in a C-172 fitted with pontoons. Most of our instructors are aerobic

qualified and we hope to begin an extensive aerobic program using the Piny Special."
In addition, Bildman mentioned that they are making ar-

rangements to give orals and practicals for the Airframe and Powerplant mechanics rating.
See CFFC, page 12

AVION Editorial Board

The opinions expressed in the Avion are those of a majority of the Editorial Board. They do not necessarily reflect the opinion of the university, the student body or all of the Avion staff.

The subjects discussed in Avion Editorials pertain to topics deemed to be of relevance to campus life and the state of the world we live in. Virtually all topics are debatable and the members of the Avion Editorial Board believe it is necessary and healthy to encourage and stimulate responsible and thought-provoking debate.

Members of the Avion Editorial Board are selected by the Editor-in-Chief. Board members consist of 6 Avion staff members and 2 students not presently affiliated with the staff. The 2 non-affiliated Board positions are currently open.

Students interested in membership on the Avion Editorial Board should contact the Avion office between 8 a.m. and 12 noon, Monday - Friday.

Letters (continued from page 2)

Peace

To the Editor:
I agree totally with your viewpoint on the new addition to the University Center, namely, the Army ROTC. "demolition of

American warfare.
When we read the national news, war continues to be a major component of the headlines. Even on the campus scene at Embry-Riddle, war is now a major concern among students and administration. When we watch the news, or virtually any type of

television program today, the main subject is "who's fighting who?!" Everywhere in the world, there is that constant threat, dread, and nightmare of war.
At a private university such as Embry-Riddle, I would expect a break, however brief, from the scene and thought of war.

I thank the Army for their protection, but there are enough reminders of war elsewhere. I don't condone the act of subjecting the students and administration to the subject matter portrayed in the Army ROTC building located in the U.C.
Name Withheld

Fake (continued from page 1)

the wait for the bomb squad. Mr. Charles Fountain (Director of Administration) arrived. Obviously aware of the danger to the growing crowd, Mr. Fountain ordered security officers to expand the cleared area to several hundred feet.
A short time after, the Fire Department arrived and was quickly followed by the bomb squad. Rather than attempting to remove the device from the outside of the door, bomb squad officers proceeded to make a forced entry through the second story window of the housing office. The wires were then disconnected and the object removed from the door.
When questioned on the nature of the device at the time of the in-

cident, Mr. Bob Walters (Director of Security) stated, "As far as they can tell by looking and feeling, it's just cardboard with tape around it with wires sticking out." Once it was removed, police officers took the device for analysis. Continued Walters, "It was not a bomb. Right now it's in the Crime Lab in solution. They are attempting to pull fingerprints from it."
In reference to possible suspects, Mr. Walters commented, "We have strong circumstantial evidence on an individual and we are continuing the investigation."
The investigation is being conducted by Becky Robertson, Associate Dean of Student Affairs. Anyone with information should call her at ext. 1037.

CLAST (continued from page 1)

before receiving additional financial aid. The areas covered on the exam are reading, writing, composition and essay. Students must achieve a passing grade on each of the four tests.
Based on a 1982 mean of 300 in reading, writing and composition, passing grades are 260, 265 and 260 respectively. The passing grade for the essay portion is 4 based on a 1982 mean of 4.7.
"As time goes on," noted Dr. Grams, "the passing grade goes up. The end result will be an upgrading of basic skills at the college level." By 1989, the minimum passing grade for reading, writing and composition will be 295 and a grade of 5 for essay writing will be required.

Birds (continued from page 1)

Dr. Grams said that the paragraph in the new catalog which the CLAST requirements to incoming students.
Removal and capture are very effective, especially when dealing with endangered species. The problem is that it is very labor-intensive and time-consuming.
The main emphasis of airports should be to prevent a bird hazard before it occurs. To that end, airport managers have the responsibility of making airports as unattractive to birds as possible.

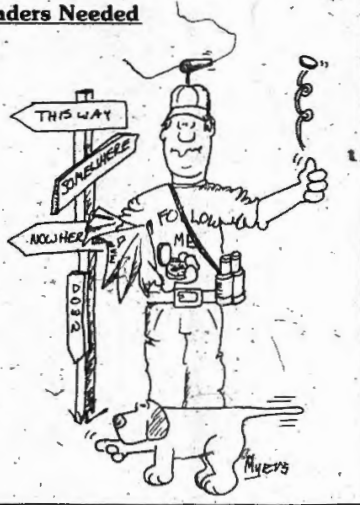
Orientation Leaders Needed

We are looking for individuals with good leadership qualities and "people" skills to join the ORIENTATION TEAM

The E-RAU Orientation Program...

- ...assists incoming students in completing smooth transitions from high schools or other colleges and universities to Embry-Riddle and the Daytona Beach community.
- ...provides Orientation Leaders with opportunities to gain practical experience in leadership, effective communication and teamwork.
- ...provides an opportunity to meet new people and have a good time!

Applications and job descriptions may be obtained from the Student Employment Office. The deadline for submitting your application is February 15, 1985.



mini concepts, inc.

Computer Supplies:

DISKS:

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Disk Cases \$3.95/ea.
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We also stock computer paper

252-1835

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AXA

Lambda Chi Alpha

By Steve Williams

The catchy Lambda Chi Alpha slogan "Don't Pledge Us-Join Us" has proven fruitful in our rush program of the fall and Spring of this academic year. Students all over campus from every program are discovering that there is a difference.

Monday night we associated ten new enthusiastic members. Their names are Rich Berrones,

Tom Blong, Dave Despard, Dave Edney, Brian Hopkins, James Little, Terry Jones, Jay Kealhofer, Rhett McColm, and Rob Ricci. It looks like another fantastic group of guys.

The weekend before last the gang decided to ignore the northern-like climate and create their own tropical paradise with a Hawaiian party. Last weekend they went back to that fantastic time of Ike, the H-bomb, Bill Haley and bobby socks. Yet the fifties. It was another great party to close out official rush.

This week the chapter will be visited by the Lambda Chi Alpha

Chapter Consultant Bob London. Once again he will be bringing fresh ideas and constructive criticism to the chapter.

Now, it is the time! Come see what it means to be a member of Lambda Chi Alpha. The Chapter is stronger than ever. Catch the excitement! There is a difference. Our meetings are in W-306 on Monday nights at 7pm.

Army ROTC

By C/CAPT Max Corneau, Army ROTC Spokesman

Traditionally, the Army has been the nation's ground-based fighting force. However, the Army of today is changing its image as well as the careers it offers to young men and women interested in a technical career.

Most recently, the Army sent its first astronaut into space. Colonel Robert L. Stewart made history as the second man to fly un tethered in space utilizing the 'Mystic Marletta' Manned Maneuvering Unit. Stewart, a 1964 ROTC graduate of Southern Mississippi University, received the Army Distinguished Flying Cross for his efforts in space.

Stewart was selected for astronaut training in 1978 from among 8000 Army applicants. At the time of his selection, Col. Stewart was an engineering test pilot at Edwards Air Force Base.

According to a recent issue (1/28/85) of *Aviation Week and Space Technology*, "the formation of an Army Space Command is being considered."

A formal Army space policy has been established by the senior staff

to guide and best exploit existing satellite capabilities. Also, an Army Space Office has been formed under the Army's Deputy Chief of Staff for Operations and Plans.

Army Col. Ronald A. Pistone, head of the Army group at Space Command explains, "I think there will be an Army Space Command—it's a question of when. We are not ready to form a Space Command yet, but we are taking the initial organizational steps to evaluate operational capabilities."

According to the *Aviation Week and Space Technology* information, there are three areas of renewed interest at Army level. "TRADOC is working on space concepts that put space into the traditional Army base definition of terms, to make space a functional mission oriented area."

Army teams are working on a space assessment that takes a serious look at how space assets can best help the Army. Finally, Army space careers for junior officers are now being clarified by personnel requirements that would create 'Space Specialties'. The Army really does have more to offer than the traditional ground force we usually associate it with.



L-5 Aerospace Society

By Jim Banke

The L-5 Aerospace Society was the club responsible for selling laser prints in the UC last week.

The event is one of our favorites, and the high quality pictures will return just before finals this year.

Prices are expected to remain the same: Three or four dollars for prints, and ten dollars for anything with a frame. Thank you to all who bought, and we hope to see the rest of you in April. Proceeds from our sales help fund some of the events L-5 sponsors throughout the term.

Our next meeting will be Wednesday, February 13 at 7:00 pm. The meeting is in room W-306, is open to anyone interested in the space program.

At this meeting, we will discuss impending activities including the next shuttle launch and a trip to the KSC visitor's center. We also need a chairman for our three primary committees. If you are a dues paying member and want to get further involved, please consider offering your leadership talents.

An idea that we are considering for some time in March is a model rocket contest. Similar to AIAA's glider competition (Only a lot more exciting), this contest would invite students who enjoy model rocketry to enter their works of art in various categories. If this sounds interesting and you'd like to have some input, come to the next meeting on February 13.

Our trip to the Kennedy Space Center is scheduled for Monday, February 18. L-5 members will receive a discounted price for the trip down that will include the bus tour and the IMAX presentation of *Hail Columbia*. If this sounds great to you, just pay your dues and come to the next meeting.

Some of you have told us that you would like to join L-5 but

cannot make the meetings on Wednesday nights. If you are in that special category, let an officer know about it or drop a line to us in the L-5 box in student activities.

This past week we have become so excited about the future of our club. Over 40 people came to our last meeting, and over 25 paid their dues. We had more than enough help with laser prints, and over 30 are signed up for the KSC trip. We're not sure how we will get everyone to the Cape, but the problem is nice to have. Thanks for your support.

ΣΠ

Sigma Pi

Now that the frigid conditions of January have come and gone, the brothers of Sigma Pi are setting their sights on the great outdoors.

Besides our weekly softball and floor hockey games, we have planned an offshore excursion. We intend to leave Ponce Inlet, this Saturday morning, and spend the day on the ocean; fishing, soaking up the rays, and whatever else one does 10 miles off the coast. If we have the time, we may track a Russian sub or two with our fishfinder.

Later this month, we plan to visit the Sigma Pi Chapter in Gainesville, where a certain ratio, that is not so good around here, is much more conducive to a social life.

On a sad note, last Sunday's softball game cost us the services of Rich "Mugsy" Minoque. In a collision at second base, which many thought was the shuttle go

See PI, page 5

Omicron Delta Kappa

The National Leadership Honor Society

ODK is accepting applications for membership thru February 15. Applications may be found in our box in the Student Activities Office.



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Announcing E-RAU's first trivia contest:

College Bowl

Monday, February 11, at 8:30 in the U.C.

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April Graduates

The first meeting for all students anticipating April 1985 graduation is scheduled for February 6, 1985 at 8:30 p.m. in the U.C. Items to be discussed will include election of senior class counsel and class officers, class party and project, and graduation procedures. All prospective grads are encouraged to attend.

Library Relocation Reminders

The last due date for all library materials will be April 11, this is the last day of classes; it is imperative we get all materials back by this date.

Faculty members' personal copies of materials which have been placed on reserve must be removed by April 17. We cannot take responsibility for personal copies in the move. We will send a notice out to individual faculty who have personal copies of reserve materials in early March.

All library services will cease at noon on April 18; please take this into consideration when you are preparing for summer term. The "only thing" happening at this point will be packing, disassembling of shelves, coordinating moving, etc. (You're all welcome to help!) The new library will be closed the first week of a term; we will reopen at 7:30 a.m. on Monday, May 6.

We realize that no one schedule is good for everyone. We have, however, tried to plan this move so that the least amount of disruption to students occurs.

Please announce these dates to your classes. We appreciate all your support and look forward to seeing you in the new facility.

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PI (continued from page 4)
ing over. "Mugsy" ripped a few ligaments. Fortunately for him, he was able to make the afternoon pizza and beer party but he will be out of the line-up for at least three weeks.

ΣΧ

Sigma Chi

The Eta Iota chapter of the Sigma Chi is currently participating in the Huntsman Sigma Chi Challenge.

Jon M. Huntsman, Significant Sig. Sigma Chi Foundation Board Governor and Utah businessman, has challenged the fraternity nationwide. If the chapters donate \$, 45,000 to Wallace Village by August 1985, Huntsman will match it.

The Wallace Village for Children is one of the few centers solely for the treatment and rehabilitation of children who are

learning-disabled or emotionally disturbed. It was adopted by the International Fraternity in 1967 as an approved service project of Sigma Chi.

Also on the fundraising front, over \$650 was made this past weekend through the efforts of the brothers who worked long hours at the 24 hour race. The money will be used for general house improvements and for keeping the pool ready for that refreshing dip after a hard day of classes.

The hockey team started the season off right, thrashing last fall's tournament winner, Delta Chi, 5-0. The softball team won its second game of the season, crossing the plate twelve times while allowing only seven runs.

The officers this spring are as follows: Consul (President), Bill Isakson; Pro Consul (Vice-President), Bill Ulm; Quaestor (Treasurer), James Thoms; Magister (Pledge Trainer), Bill Krebs; Announcer (Secretary), Ken Zaccagnini; Tribune, Earl Hines; Kustos, Ted Janic; and

Little Sister Chairman, Rod Rhee.

Congratulations and thanks to Darin Chapman for a job well done as Rush Chairman this spring.

CFC

Christian Fellowship Club

By Dawn Keith

So What if Jesus Died?

What difference can a dead man make in this busy world we live in today? In order to understand the importance of Jesus in our lives today, we must understand why God sent Him. Ephesians 1:4 says, "According to his hath chosen us in him before the foundation of the world, that we should be holy and blameless before him in love."

Even before the creation of the world, God's desire was for man to fellowship with him freely in

love. However, when Adam and Eve chose to eat the fruit from the tree of knowledge of good and evil, man fell out of fellowship with God; thus, we gained our present sinful nature. Nevertheless, God still loved his people; he desired to fellowship with them. God gave his people rules to follow, so they could sanctify themselves (Deut. 5:7-12).

For the people to make right their sins, God said that animals blood must be sprinkled as a sacrifice; as a symbol of their repentance. In Exodus 20:24 God said, "An altar of earth you shall make to me, and shall sacrifice thereon your burnt offerings, your peace offerings, your sheep and your oxen: in all places where I record my name I will come to you, and I will bless you."

Yet, as much as he loved his people, God's glory could not dwell among men as he had in the Garden of Eden; but he dwelt in a tent among them called a tabernacle. Exodus 40:35 says that "Moses was not able to enter into the tent of the congregation,

because the cloud abode thereon, and the glory of the Lord filled the tabernacle."

In spite of all of this, God still found his people full of sin, and unable to fully repent and sanctify themselves. Isaiah 1:15, "Wash you, make you clean, put away the evil of your doings from before my eyes; cease to do evil."

Despite the sin, God still loved his people; in fact, "God so loved the world that he gave his only begotten son; that whosoever believeth in him should not perish, but have everlasting life." (John 3:16). Through Jesus, God had a perfect sacrifice to cleanse the sin of the world.

It says in Hebrews 9:12-14 that "by the blood of goats and calves, but by his own blood he (God through Jesus) entered once into the holy places, having obtained eternal redemption for us. For if the blood of the animals sprinkling the unclean, sanctified to the purifying of the

flesh, how much more shall the blood of Christ, who through the eternal Spirit offered himself without spot to God, purge your conscience from dead works to serve God?"

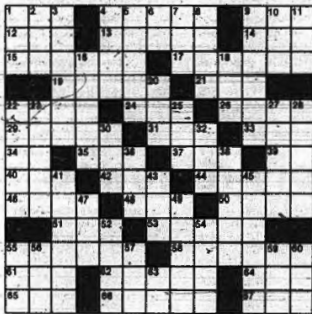
Not only did Jesus die as a living sacrifice for our sins, but he also rose from the dead and sent the Holy Spirit so that the glory of God might dwell in the temple of our bodies 1 Cor. 6:19.

Did you know that the Glory of God can dwell in your body? All you need to do to have God's glory dwell within you is to accept Jesus Christ as your Lord and Savior. Try it. It is an eternal experience that you would be a fool to miss.

If you have a question, please submit them to the Christian Fellowship box in the Student Activities' office. Regular meetings of CFC are held on Saturday evenings at 6:00 pm in the C.P.R.

See Clubs, page 12

Crossword Companion



ACROSS

1. Flaw
4. Piche
5. Cap
12. Mental
13. Odor
14. B.C. State (abbr.)
15. Household (Literary)
17. Beetle
19. Happening
21. Caravan
22. Wine
24. Help
26. Takedown
29. Utilizes
31. The Raven (Poet)
33. Green
34. Inmate's process
35. Price
37. Tree
39. Eastern State (abbr.)
40. Number
42. Water barrier
44. Piv
46. Great Lake
48. Rave
49. Concurs
51. Against (abbr.)
52. Jury
53. Humiliated View
54. Used as medicine
61. Vic. of Inst. 1
62. Hanging rope
63. Wagon
64. Big Fun
66. Anti-snack field
67. Aerial

DOWN

1. Mother (abbr.)
2. Form of he
3. Back out
4. Close in
5. Stadium
6. Perform
7. Uncle (Prov. Eng.)
8. State
9. Former
10. Including Items (comb. form)
11. Daughters of the American Revolution (abbr.)
16. Year
18. Goal
20. Edge
23. Group of rooms
25. Flower
27. Flew
28. Knowledgeable
30. Unhappy
32. Fairy
34. Sick
36. Chubb
41. Carefully (abbr.)
43. Chart
45. Lounge
47. Age
49. Flower
50. Number
54. Carol
55. Indefinite (abbr.)
56. Pagan
57. Bull
59. Ed. Group (abbr.)
60. Over (Dialect)
63. Exclamation

Go Around #3: General Education and Views

By Dr. Roger Osterholm
Associate Professor of the Humanities

Everyone knows that B.C. means "before Christ," but many people incorrectly suppose that A.D. means "after the death." What A.D. actually stands for is the Latin anno Domini, which means "in the year of the Lord."

Because dating historical events in the conventional sense suggests a Christian orientation and Christian beliefs on the part of the writer, some prefer to date events according to another scheme: B.C.E. and C.E. The "C.E." stands for the "common era," suggesting that the dating only is Christian, not religion of the writer.

B.C.E. then, means "before the common era," or "before Christ."

Some initials trouble many people. "Viz.," for example, is from the Latin videlicet, meaning "namely." N.B. means nota bene or "note well." Some others are et al. for et alii or "and others"; i.e. for id est or "that is"; e.g. for exemplum gratia or "for example"; ca. for circa or "about"; ibid. for ibidem or "in the same place" (book or article); op.cit. for opere citato or "the work cited"; and loc. cit. for loco citato or "the place (page) cited."

deemed that they were too medieval. "Ibid." remained in college term papers until about ten years ago, when the scheme became even more updated for footnotes and end notes. Now few of these Latin terms appear, replaced by standard English terms.

Incidentally, the proper place to state B.C. and A.D. with dates is that the "B.C." goes after the date, just as it would be stated, and the "A.D." goes before the date, just as it would be stated if you said, "In the year of our Lord 1985." Some abbreviations, like a.m. and p.m., are in lower case, and following current British practices and journalists, many writers are dropping the periods.

The Latin abbreviations should still be understood, however, for one encounters them in older writings and in some current writings by older people.

Footnote form has undergone a new change so that most such notes appear now in the text of articles or books, often with just a page number or the last name of the author and a page number, thus: (132) or (Orwell 132).

In using abbreviations, be careful that the reader will not take one for another. Often the best course is to spell out an abbreviation or an acronym before the initials or the abbreviation is used.

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Orbital Inclinations

Space Technology Opinion

Space cooperation merits rethinking

The Reagan Administration has recently announced plans to discuss a cooperative space mission with the Soviet Union. The proposed mission would see a U.S. Space Shuttle rendezvous with a Soviet Salyut space station. A U.S. astronaut, flying an MMU, would translate to the Russian craft and simulate a "space rescue."

While humanitarian concerns might seem to dampen the thinking of those who have proposed this mission, the actual results of such a flight would be less than beneficial for the U.S. space program.

Recall the joint U.S./USSR Apollo-Soyuz Test Project (ASTP) of 1975. At the time, ASTP was declared to be a triumph of international cooperation, heralding a new era in East/West relations. The press was filled with accounts of Soviet cosmonauts enjoying hot Texas chili while training at the Johnson Space Center in Houston. Similarly, American astronauts were shown eating borstni in "Star City," the Soviet training facility.

Beside from the pleasantries and culinary delights exchanged, what did the U.S. gain from ASTP? If ASTP showed us anything, it showed us the Soviet Union would cooperate only to the point of gaining as much knowledge as they could, while releasing as little about their programs as they could get away with. Meanwhile, NASA officials were "giving away the store," supplying any and every bit of information the Soviets requested.

U.S. astronaut Walter Cunningham, an ASTP back-up crewman, in his book *The All-American Boy* said that the hard-fought U.S. lead in the "space race" was squandered away in just a few months. The Soviets gained five to ten years worth of information in the "mutual exchange of information" which characterized the ASTP program. However, the Soviets were nowhere near as "cooperative" as the United States.

A new joint mission will no doubt be just as fruitful for the Soviet Union, and just as expensive for the United States. The Soviets are reportedly developing their own space shuttle. What better school to learn the problems of shuttle development from than the NASA school? Imagine the time and rubles to be saved by studying NASA shuttle operations, after the major bugs have already been worked out.

If the U.S. intends to pursue this joint space mission, let us go into it with open eyes instead of just open mouths.



Aircraft is the newest addition to American strategic defense forces

B1-B undergoes testing at Edwards AFB

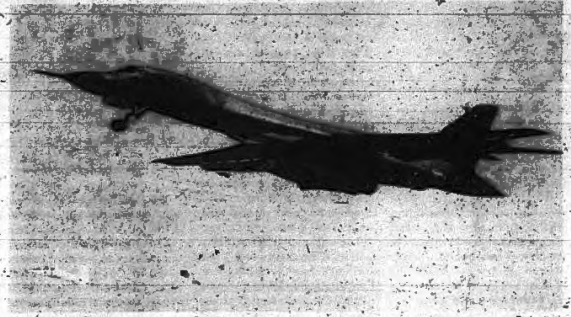
By Peter Merlin
Avion Staff Reporter

The B-1B supersonic bomber, the newest addition to America's strategic forces, is currently undergoing flight testing at Edwards' Air Force Base in California. The test program began with the rollout of the first B-1A prototype on December 23, 1974.

The first aircraft was used as a flight handling and characteristics demonstrator. The second prototype was used initially for structural airloads flight testing and certification. It was later modified for the B-1B test program. Changes included new weapons bay doors and bulkheads, and a new flight control system.

The B-1A aircraft number two was lost when it crashed during a low altitude test flight on August 29, 1984. The third B-1A evaluated the complete offensive avionics system, while the fourth was used to test the defensive avionics.

The B-1B is a multi-role, heavy gross weight bomber. It has variable geometry, swing wings which sweep back for supersonic flight. The aircraft is powered by four General Electric turbofan engines in the 30,000-pound



The second B-1A crashed last August during a test flight of the B-1B program

thrust class. With a crew of four and intercontinental range, the B-1 can be used for high altitude bombing, as a cruise missile carrier, and as a low altitude penetrator.

The B-1B is roughly two-thirds the size of the B-52 which it will replace. It can carry approximately twice the weapons load of the B-52 and has a much smaller radar signature due to the integration of anti-radar, or "stealth" technology.

The B-1 can carry nuclear or conventional weapons and can serve on a variety of collateral missions such as maritime surveillance, anti-submarine patrol, and aerial mine-laying.

Offensive avionics include electronic equipment to enable the B-1 to navigate to its target and launch its weapons. A High Accuracy Inertial Navigation System, Doppler Velocity Sensor, a radar altimeter, and an Offensive Radar System are parts of

the offensive avionics package.

The B-1 defensive avionics systems are designed to aid in the penetration of hostile airspace. This includes highly sophisticated radar jamming equipment. One part of this system is known as "cross-eye". It deceives enemy radar into perceiving the B-1 as elsewhere than its actual location.

The first B-1B prototype was rolled out in September 1984. It closely resembles the other B-1

See B-1B, page 7

Valkyrie XB-70 history reviewed

By Brian Heckles
Avion Staff Historian

North American Valkyrie XB-70A, by Steven Pace. Aero Series Volume 30. Aero Publishers, Fullbrook, CA. 103 pages, 204 photos, drawings, with index and bibliography.

This volume of the extensive Aero Series covers an aircraft that holds great interest for those with a thirst for knowledge of test aircraft of the sixties.

The book starts with a 1:192 scale plan of the aircraft, and then after a quick introduction, gives a historical overview of the events and aircraft that led to the XB-70.

This overlook includes photos of such aircraft as the B-32, B-50,

B-36 and B-52. The overlook also gives an in-depth look at the competition which led to the XB-70, going into detail as to which firms were listed to give proposals once the Air Force issued its requirements in February of 1955. Sketches of the proposed designs of Boeing and North American are shown, and these are strange indications of where aero design was headed in the mid-fifties. This chapter concludes with the a discourse on the politics surrounding the XB-70.

The second chapter covers the eccentricities found during the XB-70's development, such as the variable-geometry windshield and wingtips. Also covered are the studies into the design's use of compression lift, and the new area of metallurgy that came to light.

All of what is covered in chapter two leads nicely into the third section, which covers the configuration of the Valkyrie. This chapter covers both the



structures and systems of the aircraft, pointing out the many unique aspects of the XB-70 in great detail.

The final chapter covers the flight-testing of the aircraft, with descriptions from various

crewmembers on flight in the Valkyrie. Also contained in this section is a account of the tragic crash of the number two aircraft, an accident which took the lives of test pilots Joe Walker and Carl Cross.

The book concludes with a contract genealogy, specifications of the XB-70 and a flight log. All throughout the book are numerous photos and drawings, with some photos in color. All in all a great book, whether your interests lie with military aircraft or with aircraft that helped change the aviation industry.

Review copy courtesy Aero Publishers.

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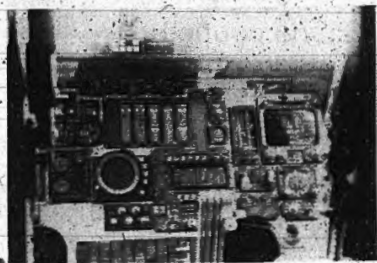
B-1B (continued from page 6)

aircraft in outward appearance. It is 151 feet long and has a gross takeoff weight of 477,000 pounds. Standard ejection seats are used as opposed to the crew ejection capsule used on the first three prototype B-1A's. The radar cross section of the B-1B has been reduced to one-tenth that of

the B-1A and one-hundredth of the B-52. This will make detection by enemy radar very difficult. The B-1B will be more economical than the B-52. It has longer unrefueled range and is less dependent on aerial tanker support.

The ninth B-1B will eventually join the test fleet. It will be used to evaluate the aircraft as a cruise missile carrier. The first delivery of an operational B-1B to the Strategic Air Command is scheduled for late 1985.

The third B-1A prototype (upper left) was used to test the offensive avionics system. The cockpit view (lower right) shows the Terrain Following Radar screen in center of panel.



Avion photo by Pete Martin

The Space Telescope

...looking years into the future

By Jim Banke
Avion Staff Reporter

Within the next two years, mankind will have an opportunity to look over 14 billion years in-

to the past, possibly to the very edge of space. The Space Telescope is the instrument that may help scientists discover the true origin of the universe.

The outer-space observatory

will be placed into Earth orbit by the space shuttle *Atlantis* aboard mission 61-L. The flight is scheduled for launch in August of 1986, according to a recent shuttle manifest.

While the telescope itself is proceeding on schedule, any delays or major problems with the shuttle program could delay the deployment of the device. Scientists in charge of the project are hoping this does not happen in anticipation of the return of Halley's Comet in 1986-87.

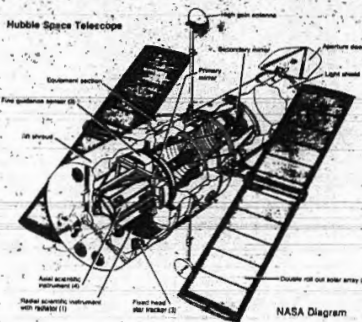
The dimensions of the telescope are not nearly as impressive as the larger Earth based devices, yet it will be able to see 350 times the volume of space that can now be seen. The largest Earth-based telescope in operation today is the Russian telescope in the Caucasus mountains of the Soviet Union. That device uses a 236 inch mirror but its effectiveness is hampered by the atmosphere. Yet once free of the Earth's atmosphere, the

smaller telescope with a 96 inch mirror will see seven times further than the most powerful device in operation today.

The capabilities of the space telescope are truly fantastic. Weighing about 20,000 pounds, and measuring 43 feet long and 14 feet in diameter, the instrument will employ a guidance system that can point with an accuracy of 0.01 arc second. For shorter periods of time the device can point to within 0.007 arc second. This angle is only slightly larger than that made by a dime when viewed at a distance from Washington D.C., to Boston.

Other abilities of the instrument include making observations in the ultra-violet range of the spectrum, a feat no telescope based on Earth can accomplish. In Earth orbit the space telescope will pick out and photograph fainter images with 10 times finer clarity. Additional experimental packages involving various photo and sensing instruments will be placed behind the primary mirror housing.

The space telescope is currently at the Lockheed plant in Sunnyvale, California, undergoing final assembly. From there the device will be sent to the Marshall Space Center, and then by barge to Florida for launch at the Kennedy Space Center.



NASA Diagram

ERAU alumnus speaks at dinner

DAYTONA BEACH, FL

The Management Club held its first dinner meeting at the Treasure Island Inn on Friday, January 25 at 7:00 p.m. The guest speaker was Randy Alexander, the Vice President of Sales and Marketing for Aerowinn in South Carolina and a graduate of Embry-Riddle.

Mr. Alexander was an officer in the Management Club a few years ago and he related very well to the fact that he was now addressing the Club as a guest. In opening, he expressed his joy to be present and remarked that the club has grown substantially since he was involved in it.

Alexander stressed on the importance of students to be aware of what the real world is all about and he continued by sharing with everyone a part of his experience after leaving Embry-Riddle: After graduating, he began working with Eastern Airlines full-time. He was the first E-RAU sales representative with that airline and also the first person in such status to have a full-time job.

As time rolled by, he learned of a company through a former Riddle student and he decided to get hired. This began his memorable experience with Aerowinn Aviation. There, he was responsible for duties in Public Relations and was very involved in promoting the company. He appeared on television at least once, which he remarked to be a frightful experience initially.

At this point he stated that one instructor whom he was looking forward to seeing that night was Mr. Bruce Chadbourne. Mr. Chadbourne was Mr. Alexander's instructor for General Aviation Marketing and one day he made his instructor aware of his interest in Aircraft sales. He asked for Mr. Chadbourne's opinion, which was "I think that you would do well because you know how to 'B.S.' pretty well."

Mr. Alexander said that he eventually did not do too badly at all at aircraft sales, but what he got from it was, as he described it, "a priceless gift-experience." On that note, he remarked that he considered it one of his reasons to be here as being to give us as many pointers

and hints, especially those who are graduating this trimester or in the near future.

Mr. Alexander then said that it is a fact that Embry-Riddle's reputation is second to none and he stressed that we must not let anyone make us believe otherwise.

Alexander then discussed the key areas to excel in while at Embry-Riddle. These included proper study habits, time management, extra-curricular ac-

tivities, and writing skills to name but a few. He also gave tips on researching for a job, interviewing for a job, and how to perform once hired by a company.

In closing, Alexander addressed the entire student body saying that as future alumni, we should all stay in touch. He then brought up the topic of the S.E. Alumni Chapter. Afterward, the way in which this University is perceived in the world will depend on us as graduates.

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The Avion, February 6, 1985



JAGUAR

Porsche

(continued from page 1)

inhalation. After his release from Halifax, Tullius reported that the fire was caused when a tire let go and cut through an oil line. He...

The over-all winner, Preston Henn's Swap Shop/Valvoline Porsche 962, was driven by Bob Wollek, A. J. Foyi, Al Unser Sr. and Thierry Boutsen. Boutsen was a late addition to the team, incorporated when Bayside Racing dropped one of their two cars, releasing him from duty. Wollek then convinced Henn that the addition was needed as his team was suffering from the flu.

Families were somewhat common in this year's race, with Al Unser Sr. in the winning car, and Al Jr. in the second place Lowenbrau Porsche. Although the Unseers were quick to congratulate each other after the trial, communications were at zero during the competition.

The reverse was true with Wally Dallenbach of Team Motorcraft/Ford who was in constant touch with his fiancé Robb McCall who was driving Corvette 28 of Southern Racing Promotions. Chagel Selix of the Ford team had even called to the Corvette pit area so he could schedule Dallenbach to drive at the same time as McCall.

One purpose of Daytona's 24-hour race is endurance testing. Although some might think that this applies only to the drivers, crews, and fans, the real test was the performance of the autos and the auto products. One item that really shows this is the different tire manufacturer's showing with Bridgestone, Firestone and Yokohama equipping 5 cars; McCreezy 4; Goodrich 2; Hoosier 7; Dunlop 1 and Goodyear, the annual mainstay, with 47 out of the 76 starting cars.

Once the race was over, the fatigue which had started to show vanished at least temporarily, as all the teams packed up to go home. The next event at the Daytona International Speedway is this Saturday, February 9 with the pole position qualifying from 2-5 p.m. The ARCA 200 is on Sunday, February 10 at 12:30 and the 50-mile Busch Clash is at 3:00 p.m.

Softball Stats and Scores

Table with columns: Team, W, L, T, Runs, R.A., GB. Lists teams like Tallhookers, SPD Hazers, Falcons, Hit Men, Outlaws, Stray Cats, Sigma Chi, Gophers, Front Row, Sdn. Impet., K. Ransom, Buich Boys, No Names, Black Sheep, Megulators, Flight Tech, Sigma Pi, A.H.P., Barley Boys, Vets Club, 777777, Destructives, Cosa Nostra, Mutants, 220 Club, D.A.M.M., Northerners, Lambda Chi, Wreckers, Butt Kickers, Spectrum, Delta Chi, Busch 2.

BASEBALL SCHEDULE

Table with columns: Date, Opponent, Where, S/DH, Time. Lists games like 2/14 Brevard College, 2/16 St. John's, 2/19 Bethune, 2/23 St. John's, 3/3 Widener, 3/3 Wabash, 3/5 Wabash, 3/7 Widener, 3/5 Ohio Valley, 3/12 Tennessee St., 3/16 McComb College, 3/16 College of R.I., 3/19 Allegheny, 3/28 Ohio-Newark.

Hockey

Table with columns: Team, W, L, T, PTS, GF, GA. Divided into Division 1 and Division 2. Lists teams like Knucks, Capitals, Whalers, N.Easterners, U.S.A., 1st. Beasts, Slashers, AFROTC, Sigma Chi, Sigma Pi, Tailhookers, 69'ers, Warriors, Delta Chi.

E-RAU INTRAMURALS

THIS WEEK'S SCHEDULE Sunday, Feb. 10 (Field)

- Delta Chi vs Lambda Chi (5)
Butt Kickers vs Destructives (6)
Flight Tech vs Outlaws (5)
Wreckers vs Megulators (8)
Hazers vs Mutants (6)
Busch Boys vs 220 Club (5)
No Names vs Busch Bombers (5)
Front Row vs 777777 (8)
A.H.P. vs Sigma Pi (5)
Black Sheep vs Gophers (6)
Stray Cats vs Tailhookers (5)
D.A.M.M. vs 777777 (8)

1:00

- Spectrum vs Kings Ransom (8)
Hit Men vs Sigma Chi (5)
S. Impact vs Northerners (6)
Falcons vs Barley Boys (5)

Sunday's Results

- Flight Tech 8
Busch Boys 2
Butt Kickers 12
Black Sheep 7
Hit Men 11
Delta Chi 3
Busch Boys 6
Front Row 6
Barley Boys 14
Destructives 19
Falcons 4

Last Monday's Results

- Knucks 6
U.S.A. 0
Whalers 2
1st.E. Beasts 1
A.F.R.O.T.C. 7
69'ers 3
Capitals 0
Northeasterners 11
Tailhookers 0
Sigma Pi 0
Sigma Chi 5
Delta Chi 0
220 Club 17
Wreckers 12
Sudden Impact 10
SPD Hazers 11
No Names 13
Mutants 5
Stray Cats 15
Kings Ransom 9
Northerners 14
Busch Bombers 4
Tailhookers 11
Vets 6
Outlaws 10
777777 8
Cosa Nostra 4
Megulators 5
Spectrum 10
D.A.M.M. 18

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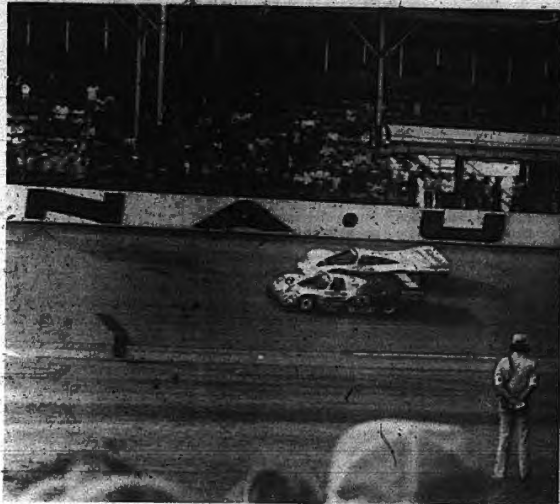
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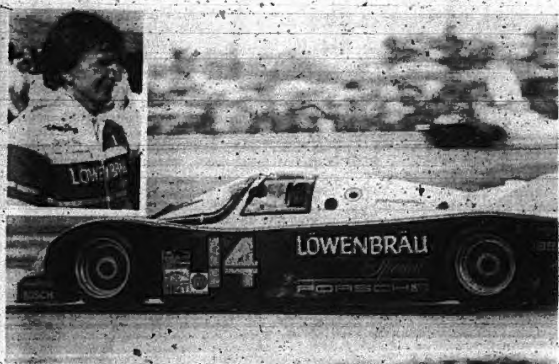
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Eagles Baseball

The Emory-Riddle baseball team lost two games, 1-5 and 3-7, on January 26, to a strong Bethune Cookman Squad. In the first game of the twin bill, the Eagles held Bethune Cookman to a 1-1 game until the Wildcats scored four runs in the bottom half of the fifth inning. Steve White scored Emory-Riddle's lone run in the top of the third. In the second game, the Eagles took a 1-0 lead when Sid (Divine Child) Small scored in the top of the second. Bethune-Cookman countered with seven runs in the second and third innings. The Eagles fought back with Bill Krivos and Greg Bonner coming around to score in the third, but did not manage to score for the rest of the game. Relief pitcher Ray Montufar halted the Wildcat attack by striking out five batters in the final three innings. The Emory-Riddle squad played well except for three baserunning mistakes which halted a few innings, and an inability to come up with the big hit in possible scoring situations. Collecting two big each on the day were Brian Callahan, Greg Bonner, Bob Snyder and Steve White.



The Valvoline/Shop Porsche approaches the finish line just ahead of the B.F. Goodrich Porsche during the final moments of the 24 Hours of Daytona. Finishing 1 and 3 respectively, they were among 30 finishers at last weekend's race.



Derek Bell (inset) and his teammates drove their Lowenbrau P-962 at the lead of the Daytona 24 Hours race for more than 19 hours during the recent conflict at the Daytona International Speedway. Al Unser Jr. and Al Holbert were the other Lowenbrau team members.

Local salon kicks off fundraiser

By Bud Paine
E-RAU Project Director

The fund campaign to raise \$1 million for the construction of the Jack R. Hunt Memorial Library was given a boost this week with the announcement by Off Broadway Theatre Salon to give proceeds of a special promotion to the library.

William W. Smith, manager of the hair styling salon located at 220 S. Peninsula Drive, announced the promotion in appreciation of the support Embry-Riddle students, faculty and staff have given the salon.

He has volunteered that through graduation day, April 20, Off Broadway Theatre Salon will donate 10 percent of every dollar spent in the salon by Embry-Riddle employees and students to the library building fund. In addition, a container will be placed in the salon's reception desk so others may make contributions.

Smith said Mondays and Tuesdays will be designated E-RAU Days at the salon. On these days, when an affiliate of ERAU patronizes the salon, they will donate one dollar toward the LRC fund.

This three-pronged approach will generate considerable monies for the fund drive, the manager believes. Smith added that, as a member of the Daytona Beach Chamber of Commerce, he will extend the invitation to other merchants in this area to sponsor similar promotions.

Jay Adams, chairman of the Development Council of the

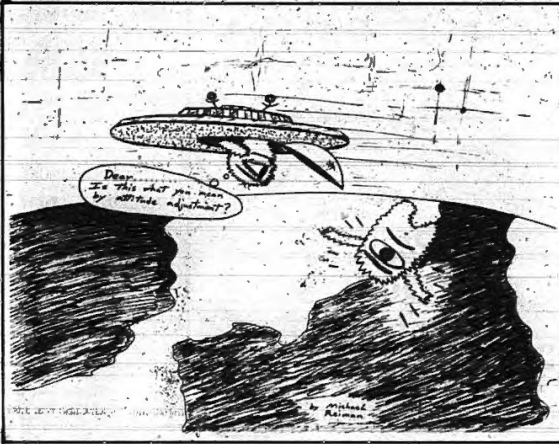
fund-raising drive, said in response to Smith's offer, "We are deeply grateful for the offer Off Broadway Theatre Salon has made to support this worthy cause. We hope others in the community will follow the example."

The fund-raising campaign will officially get underway February 8 with a banquet in the Treasure Island Inn. Some of the top prospects for pledges to the program already are being contacted by volunteers.

Dr. John P. Eberle is chairman

of the division which is asking for individual pledges to the campaign from Embry-Riddle personnel have responded generously to an appeal for pledges, Eberle said.

The library will be built in three phases. Phase I, which is under construction now, will cost some \$2 million of which half is to come out of operating funds of the university and the other half from the fund drive among individuals and corporations in the Daytona Beach community.



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Information and Applications
Available in SGA office

Navy R&D Reps on Campus

Civilian personnel representatives for the Naval Air Development Center (NADC) will be on the Embury-Riddle campus on Wednesday, February 20 seeking to fill some of their 300 civilian scientific and engineering job openings.

NADC is one of the Navy's leading R&D centers, performing research, development, test, and evaluation on Naval aircraft systems. More than half the current work force of 2300 is composed of scientists and engineers from a variety of disciplines. The Center representatives will be looking to fill positions for Software Engineers; Systems Engineers; Navigation Systems; Communications; Command and Control; Radar and Microwave Technology; Laser, Magnetic, and Infrared Technology; Aerodynamics and Structural Dynamics; and Computer Applications.

As an Equal Opportunity employer, NADC employs many women and minority professionals. However, because of the nature of the work at the Center, U.S. citizenship is required.

Interested students should contact the college Placement Office.

Yearbook Fee Due Date

The Phoenix Yearbook Billing Statements sent to All Students who preordered a 1985 Yearbook are due in the Student Government Office by February 27, 1985. Please ignore the deadline date given on your billing notices. Thank you for making your yearbook payment.

Free Investment Course Offered

ERAU will offer a free, non-credit course entitled "Successful Investment Strategy in a Changing Economy." The six-week course is sponsored by Merrill Lynch, Pierce, Fenner and Smith and taught by Peter Brooker, a Merrill Lynch financial consultant. Extensive reading and research material will be provided.

The course will focus on ways to meet specific financial objectives, including long-term growth, income, liquid reserves, tax benefits and speculation. Basic investment concepts will be explained and discussed, and practical examples for achieving investment goals will be offered. The course is primarily designed for new investors as well as for experienced investors who seek to broaden their knowledge and learn about new investment products including zero-coupon bonds, convertible bonds, precious metals, international investment opportunities, stock index options, annuities and retirement accounts. The tax implications on each investment will be stressed.

"Successful Investment Strategy in a Changing Economy" will be offered Wednesdays, from 7:30 to 9:00 p.m., from February 6 to March 13, at Embury-Riddle. For more information and to register, please call Peter Brooker at 257-2744. Space is limited.

Leases

Leases are written by landlords. Therefore, most leases emphasize the responsibilities of the tenant. In many leases, the landlord will seek to minimize his/her responsibility by maximizing tenants' responsibility. For example: "Any appliances or conveniences provided by the lessor (landlord) are for the use and convenience of the lessee (tenant) only. The lessee makes no warranty as to their operation or condition and will not be responsible for their maintenance or repair; and further is hereby released from all liability connected with their use or operation." If the refrigerator dies of old age, the tenant must replace it, even though the fact that the apartment was supplied with a refrigerator was one of the reasons the tenant signed the lease and occupied the apartment.

Another example: "The tenant shall be responsible for the maintenance and upkeep of the lawn." If this clause appears in your lease, shouldn't you ask for compensation in the form of a rent reduction? Some landlords will agree to compensate the tenant, others will not. It's worth a try.

Important: A lease can be negotiated! You should not sign a lease with sections that are so one-sided that they put you in jeopardy. To change a lease, cross out the section you wish to delete, initial it, and have your landlord initial it. Additional provisions should be written out, dated, and signed by you and the landlord. Make sure that all changes are noted on all copies of the lease.

Read the document carefully. Do not hesitate to question closely any section of the lease that puzzles you. Don't be satisfied with answers like, "Oh, don't worry about that, it's just a form," or "That won't apply to you." That is a good sign of potential trouble. Remember: All that and only that which is in writing is legally binding. Insist on getting your copy of the lease immediately.

Copies of sample leases are available in the Off-Campus Housing Office.

Make Sure...

1. That the lease ends when you want it to. If you'll be leaving in April, don't sign a lease that terminates in August—you might not find anyone to take over your responsibility.
 2. If you have pets, the lease you sign should clearly indicate that you have the right to keep Fido.
 3. That there are no hidden charges, or outrageous late fees.
 4. That the landlord cannot terminate the lease arbitrarily with little or no notice.
 5. That you are not responsible for structural repairs.
 6. That if you want to sublet, your right to do so is clearly stated.
 7. That if the landlord agrees to pay utilities, or some utilities, this is clearly indicated.
 8. That you don't agree to absurd clauses. Example: "If any legal proceedings are necessary, the tenant shall pay all damages, court costs, interest, expenses, and attorney's fees incurred by the landlord in such proceedings."
 9. That if the lease refers to another document ("Schedule '1' is hereto annexed and made a part of the lease") you agree to read and get a copy of the other document.
 10. That the landlord cannot, unless in an emergency, violate the privacy of your apartment without your permission.
- If you have any questions about your lease, don't sign it! Bring it to the Off-Campus Housing Office. We'll check it out.

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Date	Seminar
2/6	Fundamentals of Financial Planning: Financial Needs and Objectives, Risk and Diversification, Selection and Timing, The Investment Process, Investment Features, The Role of Emotion. Practitioner: The Milk Cow and The Feeder Calf.
2/13	Objective: Long Term Growth: Common Stocks, Mutual Funds, Convertible Bonds, Stocks, Zero Coupon Bonds.
2/20	Objective: Income and Liquid Reserves: U.S. Treasury Obligations, U.S. Government Agency Securities, Corporate Bonds, Insured CDs, Unit Investment Trusts, Covered Call Options, Money Market Funds. Practitioner: For Mutual Advantage.
2/27	Objective: Tax Benefits: Municipal Bonds and Notes, Deep Discount Taxable Bonds, Utility Stocks, Funds and Unit Investment Trusts, Tax-advantaged Investments in Real Estate, Oil and Gas, Equipment Leasing and Research and Development, Retirement Accounts, Gifts to Minors. Practitioner: Do Good and Do Well
3/6	Objective: Speculation: Common Stocks, Buying on Margin, Selling Short, Buying Options, Precious Metals, International Investing. Practitioner: Golden Opportunities.
3/13	Managing Your Money: Outperforming the Market, Choosing an Advisor, Sources of Information, Types of Accounts, Derogulation and the Financial Services Industry.

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Denzer returns from Romania

By Richard Calvert

Ms. Debra Denzer, an instructor for the Embury-Riddle Humanities Department, has returned to Daytona Beach after a short-term stay in Romania. Her husband, Mr. Robert King, is presently continuing as an exchange instructor at a Romanian polytechnical school under a Federal Fulbright Grant.

The grant, which will expire in June of this year, is available to qualified individuals only once in a lifetime. When asked whether husband would apply for an additional year's stay, Ms. Denzer replied, "He will probably come back."

During her visit to that country, Denzer experienced various customs and lifestyles. "The people," she explained, "were a combination of European and [Middle Eastern/Mediterranean] cultures." The King-family was placed in an apartment complex not unlike many other Romanian households. They, like many other people, were limited to hot water only in the evening, and with one of Europe's coldest winters upon them, further restrictions in its use were applied.

Ms. Denzer felt that the Romanian family is a very strong unit. "They have a very nice family support system." She explained that everyone lends a hand—parents support the family and grandparents aid in shopping and childrearing. She also stated that the Romanian people are very helpful.

According to Ms. Denzer, individuals were always coming to her family and offering fruits and pastries. "It's always refreshing to be in a foreign place and have people treat you like part of the family."

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February 10	136.35	245.70	327.42	366.21
February 24	106.05	191.10	254.66	284.83

Meal Plans may be purchased Monday through Friday, 10 a.m. until 3 p.m. in Epicure's kitchen office.

College students lack basic knowledge

By Dr. Roger Osterholm
Associate Professor
of the Humanities

Like college students throughout the nation, some at Embry-Riddle failed to identify many basic names of general knowledge. Martin Luther was unknown to 79 percent of students queried and the Reformation was unknown to 85 percent.

One form of 24 names was administered to 53 students and a second form of 24 names to another 43 students that generally represented a cross section of the student body. There was an average of 9.7 incorrect answers on one, and 8.2 incorrect answers on the other.

The general information quizzes were produced and given by Dr. Roger Osterholm, Associate Professor of the Humanities at Embry-Riddle, to his own classes in Freshmen English, Technical Report Writing, and Modern Literature, with students ranging from freshman to seniors.

On the first form, 58 percent failed to identify the Parthenon, 53 percent could not identify Stockholm, 47 percent did not know the Renaissance, 74 percent were stumped by the jolly roger, 43 percent failed to identify Pearl Harbor is in Hawaii, 74 percent missed the Venus de Milo statue, 94 percent did not know Niccolò Machiavelli, 79 percent could not recall the significance of Stratford-on-Avon, 58 percent could not place Socrates and 57 percent were confused by the Odyssey.

On the other form, 63 percent failed to identify Alexander Hamilton, 42 percent could not place Vienna, 56 percent were stumped by Billy Mitchell (even at an aeronautical university), 49 percent could not place Quindici, 72 percent did not know the jolly roger (consistent with the other form), 98 percent did not know a syllogism and 60 percent could not define a subordinate clause.

Many students placed Stockholm in Germany and a few placed it in England or Ireland. One thought the jolly roger the wooden aircraft built by Howard Hughes, another the host of a television show for children, and another the British flag. One thought the swastika was a Japanese airplane and another thought it a brand placed on Jews by Nazis.

Machiavelli, the Italian political philosopher of 1500 who taught ruthlessness to dictators, was identified as an opera singer, a Romantic poet, a playboy of 1920, and several thought of him a contemporary clothes designer or perfume maker. One wrote that he discovered the speed of sound.

One student wrote that Venus de Milo was "a great soldier in Me Devil times." Another said it

was the Nirvulus exercise centers up and down the East Coast, another confused it with Cecil B. deMille, and yet another received credit for writing: "A famous but without arms."

A few thought daVinci lived in the 1800's. One called John Adams the first American writer and another a poet. One wrote that the Parthenon is an Egyptian pyramid; a second that it was "a legal action in France"; a third a French wine; and another that it was a marathon "with tree events in Rome."

The Renaissance was identified as France, "a period of change between the Dark Ages and the Middle Ages," the "post-Rembrandt era of 10 years," and the "French Organization in World War II." A few called poet Robert Frost a television

talk-show host.

Even Bing Crosby was poorly identified as "a good friend of Bob Hope," "a great man," a singer in orange juice commercials, a dancer now dead, an early 19th-century singer, a "comedian with Dean Martin," and nobody as "a great singer (if you like the type) who drinks orange juice."

Moby Dick was called a great writer and the whale that swallowed Pinocchio. The "Enola Gay," the B-29 that dropped the first atomic bomb, was identified as the ship in "Moby Dick" and as the mother of Marvin Gaye, the popular entertainer.

Three students confused William Faulkner, the novelist, with Anthony Fokker, the Dutch-born aircraft designer, and one wrote that he caused the

"Faulkner 'Scurrage.'" Joseph Stalin was called a singer or an Italian or Nazi leader; one student simply noted "Intelligence." A few even thought Iowa was a town.

A few thought Stratford-on-Avon, Shakespeare's famous birthplace, an executive with the Avon Corp. who pioneered in door-to-door sales. One wrote that Socrates was the Jewish Bible and another that he lived about 1600; 2000 years off the mark. One student explained that Buddhism is the "study of Confucius." Another thought the Odyssey a male dance group in a local club.

On the second form given to 43 students, Alexander Hamilton was called the inventor of the telephone. Four students explained that the American Revolution

was fought around 1850 between the North and the South over slavery. One student lamely wrote that Normandy was a battle fought between the Germans and Americans in the Pacific. Two thought Rockefeller Center

either a theater in Washington D.C., or a building in Chicago.

A few confused F. Scott Fitzgerald with his namesake, Francis Scott Key, but one said he was

See Knowledge, page 12

FAA Written Exams

Date: February 12 & 19
Time: Tuesday, 8:30 a.m.
Place: H-131, GRW Complex

Date: February 23
Time: Saturday, 8:30 a.m.
Place: G-109, GRW Complex


Students intending to take an FAA Pilot Written Examination are required to sign up in office D-200 or call extension 1307 prior to examination day.

At the time of the examination, each student must present a receipt for pilot exam fee, validated by the Cashier's Office; a Written Authorization Form signed by an appropriate Aeronautical Science Division Ground Instructor, or the failed results of a previous FAA Written Examination and present a personal identification an Airman Certificate, driver's license, or other official document.

Explanation of application forms and procedures will be given at 0830. Immediately thereafter, testing will commence and unless prior arrangements have been made, late examinees will not be permitted to enter the examining area while testing is in progress.

LRC Traffic

On February 7, 1985 from 2:30-5:00 pm, the LRC will be active with area movers responding to an advertisement for the bidding on the moving contract. Officials apologize for the inconvenience, however, this is necessary to facilitate the transfer of materials from the LRC to the new library.



Chess Tournament
Embry-Riddle Spring Championship
7:30 p.m. February 7 and 14 in Faculty Staff Lounge

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County Sheriff outlines revised penalties for DWI

In Volusia County those who were found guilty of driving drunk can be punished under a state law that is considered one of the nation's toughest, Sheriff Ed Duff said.

Duff said that Florida's driving under the influence law can be costly in dollars and by public embarrassment.

"The Sheriff's Department

takes serious its duty to enforce Florida's law and continues an aggressive campaign to rid our community's highways and roads of drunk drivers," he said.

He noted that all persons convicted of driving with alcohol content of .10 percent or more, which can take only a few drinks to reach, are subject to harsh results.

First offenders are punished by

*A minimum fine of at least \$250 up to \$500.

*A jail term of up to six months.

*At least 10 hours of community service.

*At least 6 months of no driver's license, and up to one year is possible.

*A required class at a DUI school, which the person must pay for.

"As harsh as these can seem to the first-time offender, the person with two or more convictions faces even more stricter penalties," Duff said.

Persons with two or more convictions face:

*Mandatory jail terms, with the second offense up to 9 months and the third offense up to 1 year.

*Increased fines, with the se-

cond offense up to \$1,000 and the third offense up to \$2,500.

*Loss of driver's license, with the second offense up to 5 years and the third offense up to 10 years.

The sheriff also said that a person convicted of D.U.I. also faces costs beyond the fine.

Costs for bond, attorney's fees, court costs, probation costs, lost work days and increased in-

surance rates can add up to \$3,000 and beyond, he said.

Besides those expenses, certain other costs can't be figured in dollars, such as loss of driving privilege, embarrassment to driver and family and legal liabilities for an accident, he said.

"The message is clear: Don't take the chance of driving when you've been drinking," Duff said.

CCFC (continued from page 3)

The Central Florida Flight Center found its roots in September 1981 when Bildman, along with two partners, began the Daytona Beach Flying Club with one airplane. By October 1982, the club's fleet had grown to 18 aircraft.

In June 1983, the club became Landmark Aviation after it

wassold to Tom Land. In November of the same year, Bildman repurchased the FBO and renamed it "Central Florida Flight Center."

Bildman, who has been attending classes "off and on" at Embry-Riddle for the last few

See CCFC, page 13

Clubs (continued from page 5)

AAAE

American Association of Airport Executives

By Tom Jennings

As many of you know, airports today face major problems such as noise restrictions, airport/airline relations, air traffic congestion and a limited area in which to expand their facilities.

On February 8, Mr. Jack Gillooly, the Executive Director

Knowledge (continued from page 11)

presented in 1900. One student placed the Sahara Desert in California, another in Arabia. Gary Cooper gave a little trouble, missed 26 percent of the time, identified either as "a little black kid," an executed murderer (Gary Gilmore), a dancer, or a Mercury astronaut (confusing him with Gordon Cooper).

One identified Vienna as a city in France and another noted that the London tower is in France. Poet, Emily Dickinson was called a movie star, a nurse about 1900, and "a writer of mysteries." Billy Mitchell, the bomber advocate of the 1920's and 1930's, was called

of the Greater Orlando Aviation Authority, will speak in front of the American Association of Airport Executives to "inform everyone how airports handle these and other problems that plague airports across the country."

Mr. Jack Gillooly was appointed Executive Director of the Greater Orlando Aviation Authority on January 1, 1982, after serving two years as Deputy Executive Director and five years as Properties Manager.

His responsibilities as Executive Director for the Greater Orlando Aviation Authority include long-range planning and policy making for both Orlando International Airport and Orlan-

do Executive Airport, including the development of the 1,255-acre Tradeport, an aviation-related industrial park on Orlando International Airport property, the development of international air service, both direct scheduled flights and charter service, and the increase of domestic service through the Orlando International Airport.

Mr. Gillooly's duties are to oversee and coordinate the departments of the Authority, including operations, finance, properties, planning and development, administration, fire, trade zone, and general aviation at Orlando Executive Airport.

He is a native of Clarkburg, West Virginia and is a graduate

of the United States Naval Academy. He served as Commander of the Naval Training Center in Orlando for two years. Prior to this time, Mr. Gillooly was a Naval Advisor and Commanding Officer of the Carrier USS WASP. He retired in 1974 after serving 33 years in the Navy.

He holds a Masters Degree for Stanford University in Personnel, and an undergraduate degree in Engineering.

The dinner meeting will be held on February 8 and membership attendance is strongly encouraged. Also, there will be a general business meeting on Wednesday, February 6, at 5:30 p.m. in the CPR.



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Call Today 788-0100

autos for sale

77 VW RABBIT, excellent condition no rust, AC/HM/FM stereo. New battery, brake overhaul. \$1400 call 231-4268 Nantz.

1979 CAPRICE CLASSIC 4 dr. 1 owner, PS/FB, 63,000 miles. 90, 100" tires, stereo, two tone burgundy color, 6 cylinder, velour interior, full equip. Luxury, good condition \$2200 call 441-1499 or Box 2132 ask for Robert.

1969 VW KARMANN GHIA, rebuilt motor, generator, regulator & battery, new belt chockles, AM-FM, cassette, tinted windows. All this for a low low \$3000.00 plus 756-0314 (eves, wends) or 252-0491 (days) ask for Phillip.

1974 MERCURY CAPRI 2000, new tires, exhaust battery, alternator, master cylinder, new up. Original paint AM/FM cassette a bargain at a miserably \$1450.00. Must sell one or my car, phone 756-0314 (eves, wends) or 252-0491 (days) ask for Phillip.

AMC CONCORD 1978, good condition, radio, air, cond. New tires asking \$1300 contact Box 8038.

'68 CAMARO in good condition. 6 cyl. Need T.L.C. Make offer Dave Box 5977.

1977 VW RABBIT - headers, Weber mags, Alpine stereo. Must sell good gas mileage. Contact after 7pm. 253-5084.

77 TOYOTA CELICA - AM/FM/air 5 speed Must sell \$2500 call 761-4123 ask for Bill. Box 4283 at E-RAU.

1974 FLYMOUTH VALIANT - good condition and running good. Small V-8 engine. Selling for \$500 (Sabbat) Box 6841

cycles for sale

1982 YAMAHA 400 motorcycle and 3 rail trailer. \$1000 or best offer for bike. \$300 for trailer only after bike sale. Excellent condition new tires on bike & trailer, clean start. Contact Jim at 756-0017 or E-RAU 7746 if interested.

HONDA CM 400T, very low mileage, comes with two helmets, asking \$1150. Call John 257-6663. Must sell.

KAWASAKI KDX 236, perfect condition, registered for road. Month helmet. Scott's helmet answer performance muffler and many other extras with it. Must sell. Inquire, contact Mike Calero Box 7267.

1980 HONDA CB750F, 9-800 miles, 16 vee, dual carb, maggie, high top, dual cruiseable. Dunlop sport alloy tires, oil cooler. Good condition asking \$1450. Inquire helmets & repair manuals. For more info, call Rick at 257-6986 after 6pm, or leave note at E-RAU Box 4598.

1981 KAWASAKI KX250, 1000# grain, vee, great maggie, high top, dual cruiseable. Asking \$1200. Call Doug 756-2484.

'79 YAMAHA 750 SPECIAL, shaft drive, smooth running, very good shape. \$950.00 c/o 788-4423 Andy.

1978 KAWASAKI ZI-RK1000 - Only 8000 original miles. Super clean and in excellent condition. Needs some parts to be complete. Best offer Super Bike. Call Scott 767-3303.

1981 YAMAHA SECA 550 - absolutely mint condition! S.A.S. header. Denlop Spool stator, crash bars, custom bars. Original tires bought new summer of '82. For inquiry call Scott 767-3303.

'77 KAWASAKI KE175, Must sell! Dependable transportation \$300.00 or best offer call 257-5365.

miscellaneous for sale

SINGLE BED, best price offer takes it. Call 257-5538 Carlo.

19" COLOR T.V. by GE, excellent color picture, cable ready, for more info, call Arthur at 677-5056.

TOKINO 500mm LENS, a must for serious outdoor sports photography. Will suffice for \$200.00, call after 8:00 pm 253-4997 Box 6362.

BASE GUITAR, epiphone, red, excellent condition, and sounds good. Must sell now! See Jeff in room 149 dorm B.

14 FOOT HOBIE CAT, excellent condition - comes with many extras including trailer. Asking \$1795 c/o contact Claudio at 252-2999 Box 1371.

QUEEN SIZE BED, good shape, best offer. Contact John-Paul work: 673-3180 ext. 236, home: 872-0271.

Schwinn, 10 speed bicycle, 20 inch frame asking \$60.00 call Doug at 257-6248 or box 7395.

DINING ROOM SET - \$30.00 c/o Large table w/ 4 chairs top and leaf. Poor chair with gold vinyl covers complete set like new, great value for off-campus apartment. Call 253-9798 Dan or Jerry.

REFRIGERATOR, new subcompact 4'2" x 2 cu. ft. \$150 Firm, contact Dave 257-5967.

CALCULATOR SHARP EL5085, scientific calculator in perfect working order. In folding case \$25.00.

NAVTRONIC "NAVIGATOR", flight computer, compass, weight and balance "C", time, dist., rate of climb, fuel required, fuel flow, Alt. Fuel gauges. Ret. price \$189.00. Int \$100.00 takes it!

WORLD RECORD HOLDING HYDR-PLANE - Two 25 super stock "merca" special tools. Ron Hill propeller, spare propeller, Nordking speedo meter, Plick's steering wheel and fuel tank. Many spare parts. 60 M.P.H. any day of the week! \$2000.00 788-6547 ask for Andy.

DORM CONTRACT MALE or FEMALE - Urgent Contact Kasi: 71252-7518 Box 5408.

CANON AEI PROGRAM w/50 mm lens - call 252-1154 after 7pm for Mark.

TYPEWRITER - Sears Sholar electric also, headset phonetics starter value 195 sale 95.00 call 761-8040 evenings.

ONE TALL DRESSER - brown Mahogany \$45.00, low bar for VW Beetle or similar weight class new \$170 selling for \$160, AM/FM buyers phone with no speakers \$30 & all buyers C.O.D. call 253-5592.

miscellaneous

3 YEAR SUBSCRIPTION TO PETER LEE'S FITNESS CENTER, \$225 all door paid. Box 6978 or call Dave 788-6547.

LOST GOLD LINK BRACELET, 10 food line in Effuria. Sentimental value. No questions, asked-reward if found. Please call Sadi: 256-7322 for leave note in Box 3868.

BEACH CRUISER, washed for about \$50. Call me after 6pm. Brigitte 253-0495.

BUSINESS OPPORTUNITY: own your own flight school. University flight school Inc., Gainesville, FL, part 144-FB, school. Part 135 Air Taxi certificate, Contact Jim Evans (904) 378-9900.

TENNIS RACKET, wanted for upper-level play. Good stringing brand, condition. Request mid-sized head. I'll buy yours if criteria met & price reasonable. Calling \$35.00, contact Suzanne Box 7841 by Jan. 31, 1985.

TENNIS PLAYER, wanted for game improvement/enjoyment contact Suzanne Box 7841.

ATTENTION SAX PLAYERS! - if you would like to order equipment please call Steve at 252-2384. Discounts are available through the club.

WE NEED YOU! The Lacrosse club is looking for people interested in intercollegiate competition or just crazy enough to learn the sport! For info, contact the Lacrosse club through the student activities office.

SHWARDS I just a Seiko Silver-tone automatic watch in the bathrooms of the A.M.T. building on January 23 Wednesday if anyone has found it, please contact Dan Box 7532. It was a birthday gift and means a lot to me. Thank You.

TO EVERYBODY - Alpha Eta Rho wants to play some team of 15 to 20 members at the Ultimate Game. Contact Ter through the A.P.H. Box, E-RAU Box 6137 or 257-5173 to set up a date to play.

rooms for rent

APARTMENT TO SHARE - 3 bedroom, bath, kitchen and den. No Rent. No Utilities. No Lease! Must be available 4-6pm every third weekday and third weekend for aircraft fueling. No experienced req'd. Located Ormond Beach Airport. Call Mike or Carl 677-6650 after 4:00 pm pays \$50/mo.

ROOMMATE NEEDED - 2 bedroom, 2 bath house with garage, central air, central vacuum, dishwasher, carpeted. \$400/month utilities not included \$400 deposit and \$75 month rent to move in. Call 788-7817 after 6pm.

APARTMENT FOR RENT: Beachside 10 minutes from school, 2 bedroom, fully furnished, new carpet, \$350, monthly utilities, \$200 security deposit. Available now! Call 441-1495 or Box 2132.

ROOMMATE for 3 bedroom, 3 bath house with 2 car garage. Rent is \$175/month, plus security deposit of \$195 in advance. Roommate will pay 1/3 of utilities and phone. More info call 788-8425 after 6pm. Must be non-smoker.

ROOMMATE, Cypress Village apartments, own room 3 miles from school. Non-smoker required. \$141/month plus 1/3 electric, two pools, tennis courts, Naglis club. Call 255-4762.

ROOMMATE NEEDED To share beautiful South Daytona, house, 3 bedroom, 2 baths, large kitchen. Washer & dryer, 72 car garage-large yard & very quiet neighborhood. Rent is \$153 + utilities. Move in immediately call Scott 767-3233 male/female.

personals

Boo, Congratulations on your fourth! Steve.

Love you dearie, Forgive me. Only one more week and we'll be back in the cabinet making business. Maybe we can bake another cake! Love, Lajan & Yozne

Go on! Now! I will know how really close you read the paper. Hi Mom, and Dad! Hope the fifthth was fun. Love, You know!

SAVINGS

DATE: February 5, & 6 TIME: 10 am to 3 pm

PLACE: U.C. in front of SGA

JERRY JONES
Minister of Church Relations

Gold standard pros and cons debated

By William B. Welch
Special to the Avion

You may have heard of it, but do you know why it is making headlines today? Before we get to why, let me give you a brief history of the gold standard. First the gold standard, for our purposes, will be defined as gold that backs any currency (paper, coin, etc., to give it worth). The first country to adopt the gold standard was Britain in 1821. Not long after that practically all countries were on some type of gold standard. In the United States until the early 1930's, any currency could

be exchanged for its amount in gold. But after that and until 1971, the U.S. dollar had a gold value but could not be exchanged for gold. After 1971 the dollar was no longer backed by gold. Now let's get to why the gold standard is the center of discussion. The year 1971 saw the end of any connection between gold and U.S. currency. Not long after this, we witnessed the worst inflation and highest interest rates we have ever experienced. The advocates of this return to the gold standard confess that if the money supply was connected to some worth in gold, that inflation would stop. Because the

government could no longer create money to chase high prices, this would in turn bring interest rates down. There is one last appeal and that is the economy would be in the hands of the people. The critics, on the other hand, believe a return to the gold standard would leave us open to unemployment and recession. This they say could happen through a series of events surrounding something called a devaluation of the dollar. The basic idea behind devaluation is that a country will devalue its currency (lower its value in gold) to make its exports more

appealing. But the problem with this, they say, is if the public catches wind of devaluation before it happens, there would be a run on gold, which would be very similar to what happened in the 1930's depression. Both sides are being debated throughout the nation, whether the gold standard is the way of the future. Stay informed, you may have to vote on it.

CFCC
(continued from page 3)
years says he only has a few more credits to complete before earning his Aviation Technology Degree. He has a multitude of flight ratings including a seaplane instructor and A & P mechanics license.

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Senior Class candidates make campaign promises

By Lauri Rantos
Student Activities Coord.

The first meeting of the April 1985 graduating class will be held on Wednesday, February 6, 1985, at 8:30 p.m. in the V.C. One of the items on the agenda includes the election of Senior Class President, Vice President and the Council. The following people are running for office:

Max Cornusa (Presidential Candidate), Activities: Who's Who, Avion editorial positions, Army ROTC Corps Executive Officer.

"Because of the importance I place upon a meaningful graduating class effort, and my sincere feeling that I can best lead that class effort, I want your vote."

Joe Diago (Vice-Presidential Candidate), Activities: Four years AFROTC in various command & staff positions. Group Commander supervising over 100 Cadets. Member of Sigma Chi and held several offices in that fraternity. Involved in intramural sports.

"ROTC has given me real-time experience in the techniques of delegation, group management and time management. Based on these qualifications, I feel, I would make a good Vice President."

Thomas Ras (Presidential Candidate), Activities: President of Sigma Phi Delta Fraternity, Physics Lab Instructor, Member of A.I.A.A. Student grader, Past I.F.C. representative.

Michael Swetz (Vice-Presidential Candidate), Activities: Member of Sigma Phi Delta Fraternity and held a position on the Executive Council, A.I.A.A. member. Student grader, Past I.F.C. representative.

"We feel this shows we have the leadership qualities to ensure a job well done."

Sandy Krigel (Presidential Candidate), Activities: President of the Reserve Officer's Association which contains 170 members. Involved with community service projects such as Special Olympics for the United Way, Aviation Awareness for Jr. ROTC high school students, and helped distribute food for the elderly. District Advisor for

three and a half years. Member of Eta Mu Sigma and Omicron Delta Kappa, both of which are honorary societies. Who's Who among Students in American Universities and Colleges, AFROTC Vice-Command and Award, AFROTC Scholarship recipient, Military Orders of the World War's Award, Air Force Association Leadership Award, National & Universities Dean's List, Pratt & Whitney Leadership Award. Completed U.S. Army Airborne course.

"As Senior Class President, I will work with all Senior Class members with the same dedication and enthusiasm that I displayed here at E-RAU."

Rob Hardwick (Vice-Presidential Candidate), Ac-

tivities: Student Supervisor of the E-RAU Weather Lab, Who's Who, National Dean's List, member of Omicron Delta Kappa, Eta Mu Sigma and L.S. Aerospace Society.

"I would like to be elected Sr. Class President to show the Senior Class my proven leadership and management ability."

Beth Ryan (Presidential Candidate), Activities: Member of Alpha-Eta-Rho Fraternity, I.F.C. Vice-President, Member of Omicron Delta Kappa. Involved in intramural sports, Who's Who Among Students in American Universities and Colleges.

"I believe we need a no-nonsense team to insure a well-organized and fun Senior Class.

Howard and I can give you that!"

Howard Hollander (Vice-Presidential Candidate), Activities: Who's Who Among Students in American Universities and Colleges, Member of Alpha Eta Rho for three years, currently Vice-President in that Fraternity, Past President of E-RAU Flight Team, Completed Flight Program and have obtained my C.F.I. Involved in intramural sports.

"We Seniors have earned our diplomas the old fashioned way...we've earned them! Let me put the final touch on it as your Senior Class Vice-President, so as to strive for a well-deserved graduation here at E-RAU."

E-RAU Anniversary Proposal Outlined at SAC meeting

Call to Order: President Thomas Cornusa called the meeting prior to order at 6:05 p.m. in the CPR.

I. Minutes of January 22, 1985 regular meeting were approved by general consensus.

II. Division Reports

- A. Student Coord. Alan Williams reported that he wore in the new representatives Rudisile and Kullig. Recommendations for two new justices will be given to Tom this week. Court did not meet this week due to illness and not having any cases. Court will meet next Monday in the Provost conference rooms.

- B. Avion: Brian Flanagan reported the second issue is out and he would appreciate any comments on the paper. He explained that the Editorial Board of the paper represents the view of many, that is just the Editor. An Editorial Board has been established of which its members are a known group and editorial is the opinion of the majority of that board.

- C. Entertainment: Mark Cozart reported the movie next week will be "Red Dawn"; the band has been picked out for the Halloween Dance on Feb. 16 with D.B.C.C. here in the U.C.; Big concert scheduled for March 2; planning for a talent show with Joe Koch in charge.

- D. Phoenix: Morris Lutz, Jr. reported the color deadline will be met but a decision has been made to contract it out to a local vendor. Work schedule a little behind because of the color printing, by sending it out, can concentrate on computer graphics. Tom assigned Steve Haddock to work with Phoenix on a two page layout for the SGIA in the Phoenix.

III. President's Report

- 1) SAC Workshop January 26, basically reviewed achievements on this past year and future goals for SGIA. Major goal is implementing plans for a new Student Union Building.
- 2) E-RAU 20th Anniversary: Schedule during Skyfest week. Dean Becky reported the Anniversary Committee has been meeting every Friday and working on several different proposals for an Open House, civilian statue on Riddle side of air-

port fence, Joe Kitzner here with his balloons. Kathy Novak will be looking into Clubs participating in event. Further discussion on the various ideas and logistics of the March 20th Skyfest.

IV. Vice President Report

- 1) Matt Marano reported that the F.C.O. Allocations Committee met last Friday and recommended the following allocations:

Interfraternity Council-\$250.00, E-RAU Baseball Club-\$68.00, E-RAU Motorcycle Club-\$250.00, E-RAU Soccer Club-\$179.00, Lambda Chi Alpha-\$70.81, Storm Riders Surf Club-\$250.00, E-RAU Lacrosse Club-\$250.00

Moved By Michael, Seconded by Sharon to approve the recommended allocation of funds. Discussion. Motion approved by unanimous vote. It was mentioned that any club that submitted an application for funds but failed to appear before the committee and their request denied.

- 2) Still need one diploma roster to allocated incentive funds.

V. Representatives Report

- 1) Peter submitted a Proposal for the purchase of a VCR machine for review by SAC.

- 2) Peter reported that the bike locker company will furnish 10 lockers for a three month demonstration on campus without charge. University approved setting up the lockers either in front of UC, in front of Library or between Dorn I and Dorn II.

- 3) Steve announced the next Lost & Found Sale will be on Feb. 7.

- 4) Kurt reported the Riddle electricians will be running the new cable and installing the shelf for the TV in the UC.

- 5) Arlin reported on the use of the UC lockers for long periods of time. Moved by Arlin to set a policy for the lockers use to 24 hours. Seconded by Peter. Discussion. Motion approved by unanimous vote.

VI. Committee Reports

- 1) Parking & Traffic-Alex reported there will be a meeting of the committee tomorrow and he will bring up the subject of the

abandoned white bike, pothole at entrance to campus has been filled with sand. He requested input relative to parking & traffic problems to present to the committee.

- 2) Academic Standards-Michael attended the meeting which heard three cases and recommended denial, although one case is being appealed to Dean Fogle.

- 3) Election: Jim Willard announced his committee comprised of Alan Williams, Ed Zanner, Bill Jackson and Gus Carboneil met today to review election procedures. SGIA election is scheduled for March 16 with deadline for accepting applications for President/Vice President, Chief Justice and 10 Representatives on February 26.

- 4) Payment & Refund: Arlin reported the committee will be meeting tomorrow.

VII. Aeronautical Fitness Center

- 1) Committee met last week to discuss operations; looking into obtaining some warm up equipment to handle overflow; dealing for user books etc.; membership sales will be cut off at end of January and then establish a waiting list.

- 2) Suggestion received to have a bicycle rack be placed outside the center.

- 3) Larry reported the morning use has leveled off but the evening use is still heavy.

- 4) Water fountain on hold, waiting for the Administration to install general area fountains. Request has been submitted through the Recreation Dept. for a capital request for next fiscal year budget.

VIII. Student Input And Questions

- 1) Kathy Novak informed SAC that the Senior Class election for President/Vice President is scheduled for Feb. 6. The December graduating class did not do a project and earmarked their money toward a project they want to see happen, which is an electronic marquee they want to see erected in the UC, and the next date that want to pursue this project will have this money available to them.

2) Student-Mr. Bushart, requested SGA to check into why he was not allowed to use a Recreation Dept. leather soccer ball for a post-of-opens tournament he was playing in. Michael informed SGA that he had discussed this with the League Winkler and he informed him that it was the school policy that the leather soccer ball was to be used for home games only. Arlin volunteered to check into this matter further.

- 3) Steve asked if Lacrosse team would be allowed to use the new School bus to travel to their game in St. Augustine. It was stated that Clubs and organizations are not allowed to use University vehicles due to liability risks.

- 4) Peter brought up a problem in Dorn I where the university is cleaning the heating and air conditioning units with hydrochloric acid Physical Plant has been informed of this problem.

- 5) Michael reported the loss of one handcar parking place in front of UC due to criticality being established. Referred to Parking & Traffic committee.

IX. Old Business

- 1) Book exchange project-Arlin reported he met with Mr. Fountain, Joe Dwyer, Bill Dennis and Dean Becky to discuss this project to get it successful if SGA decided to do it. There is a need to develop logistics and Arlin suggested a Workshop be held to discuss this issue.

- 2) Larry reported that he has suggested a meeting with clubs & organizations to find out what usage would be needed by it was decided they will be allowed access to the computer. Tom requested Larry as representative of SAC to approach Gordon Cozart to set up a meeting and report back to SAC next week.

Moved By Joe, Seconded by Sharon to go into Executive session to discuss personal issues. Motion approved at 7:10 p.m.

President called the Regular meeting back into session and hearing no further business, the meeting was adjourned at 7:39 p.m.

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