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The Award-Winning Newspaper of College Aviation

Upward Bound on Campus

By Julius Oleon
Avion Editor

If last Wednesday was the first day for many continuing students and a few new freshmen, for 70 high school students, it was the first time in a college environment.

On June 30, Embry-Riddle started its Upward Bound Program for 70 high school students of the Daytona Beach area.

This program, federally funded, is designed to help selected high school students to prepare for college. It principally deals with people who have the potential but did not consider college.

The selected students come from Spruce Creek, Seabreeze and Mainland High Schools. They are selected during the summer break at the end of the 9th grade. "It gives us three years to work with them," said John Baldwin, an Upward Bound counselor on campus.

Counselors in high schools and junior high suggest to students eligible to check with Upward Bound people go to these schools to recruit students.

Here, at E-RAU, from 8 a.m. to 12 noon, students attend specially designed classes in English, math, reading, and social sciences. In the afternoon, they participate in some type of hands-on experience such as building models or producing a TV show.

Each evening, the students participate in various athletic events. In addition, they have two opportunities to fly to and four aviation

facilities. These trips are used as rewards for meeting program standards.

The grades earned do not transfer toward the high school diploma but they help strengthen the student's knowledge.

E-RAU administration offered to host the Upward Bound program in 1973. Since its inception in 1974, 218 students graduated and no less than 95 percent of them enrolled in some form of secondary education.

The responsibilities of the program on Campus are aware of the difficulties created by hosting these young students. "There is a potential for frictions and problems when younger students are mixed with older college students," commented Baldwin, "and we try everything we can to let E-RAU students know what we are doing."

Upward Bound students are lodged in Dorm 1 on the third floor and are not permitted in the first floor lobby. They are under the supervision of counselors, mainly Embry-Riddle students.

Although no incident ever occurred since the beginning of the program, there has been some resentment on the part of E-RAU students and nasty signs have appeared in the past.

"Embry-Riddle has a unique opportunity to motivate students to continue their education. We hope a number of E-RAU students can contribute to this worthwhile effort," concluded Baldwin.



Paul McDuffee, Chief Flight Instructor, and Michael MacMahon, Flight Safety Engineer, contemplate the damages done to N99ER during the severe storm that hit the campus on Friday, June 18.

The gusts were reported at 58 knots. The airplane was completely destroyed and nobody was injured. All vehicles from Physical Plant had to be brought to the Flight Line to provide suitable anchors for tie-downs. (Photo by J. P. Oleon)

Parking lot fee for Daytona campus

By Brian F. Finnegan
Avion Staff Reporter

A parking lot fee for registered automobiles at the Daytona Beach Campus has been recommended to the Provost by the Campus Council Committee. The purpose of this fee is to create a fund with which Embry-Riddle can begin constructing the planned perimeter parking areas. These new areas will free the present central lot for the development of a walking mall, the shoppiece of the E-RAU campus Master Plan.

When asked about the recent

\$150 increase in tuition slated for the fall, Jack Fidel, Provost of the Daytona Beach Campus, responded ciling cost increases and that Embry-Riddle still "has one of the lowest tuition rates for a private university in Florida." He supports a user fee for the parking areas rather than an across the board hike. The fee is likely to become reality in the Spring of 1983. Provost Fidel, opposed to "last minute increases," wants to notify the students "at least one full trimester in advance."

The idea for the fee was first

dropped on the Student Government's Goebel Administration during the Spring of 1982 trimester. At this time the representatives took a strong position and voted against the fee in the Campus Council. Their voices were the only dissenting ones and the recommendation was affirmed without them. The recently elected Dino Santeseauino refused to comment on the latest SGA position as he "didn't have all the facts" yet.

It was also recommended that the fee be charged to faculty and staff as well as students on a yearly

basis. This will give everyone on campus the opportunity to play a more active financial role in the development of the Daytona Beach Campus.

E-RAU evaluates trainer

By Brian F. Finnegan
Avion Staff Reporter

The Embry-Riddle flight department has been evaluating the Piper Warrior as an alternative to the Cessna 172 for single engine pilot training. For the past two weeks, Riddle flight instructors and students alike have been flying and considering the Warrior's flight characteristics while others in the flight department have been studying the aspects of maintenance. In an interview, Dr. Tony DiGialamo, Dean of the College of Aviation Technology, commented, "We've always got to be sure that we're providing the student with the best aircraft available."

A veritable "workhorse," the C-172 is one of the most popular aircraft in General Aviation and has been flown at Embry-Riddle since 1968. At that time, the school transitioned from training

in the Piper Cherokee.

In an effort to "prevent the grass from growing under our feet," Dr. DiGialamo comments that Embry-Riddle will be evaluating other aircraft on a continual basis. "We cannot be satisfied with what we've got. Our goal is to use the best training vehicle at the lowest cost to the student."

In addition to providing the best in-flight training, the factors of greatest interest are the lease price and the cost of maintenance. When the results of the evaluation are compiled, a recommendation will be made to the Provost. At that time, a decision to make the transition or not will be made. Asked when a change might occur, Dr. DiGialamo declined to comment adding that any move to a different aircraft would come gradually through attrition.

E-RAU to train USAF pilots

By Bert Kaufmann
Avion Staff Reporter

Embry-Riddle Aeronautical University began contract pilot training for the United States Air Force on July 1, 1982. Twenty-nine Embry-Riddle ROTC cadets are currently involved in training under the Flight Indoctrination Program. They will each receive twenty hours of structured flight instruction.

Upon completion of training, Embry-Riddle will make a recommendation to the Air Force delineating the probable likelihood

of each student to successfully complete Air Force flight training. Dr. Thomas Connolly, Chairman of the Flight Division, is in charge of the new program whose ground curriculum was developed by Paul Spurrier and whose flight training was developed by Tom Kirton.

Previously, ROTC cadets had obtained this training at local FBO's where it took them an average of two years to complete. The new program was conceived by the Air Force in an effort to reduce the extremely high washout rate of FBO trained pilots in Air

Force flight training.

Historically, almost all Embry-Riddle graduates who enter Air Force flight training complete it successfully. The new program will provide instruction similar to Embry-Riddle flight courses in that it will provide compact, structured training and will require discipline which is more characteristic of Air Force Undergraduate Pilot Training than FBO flight training, according to Dr. Tony DiGialamo, Dean of the

(See USAF, page 3)

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Blue Angels at Seaworld

By Richard Grey
Avion Staff Reporter

Last weekend, July 3 and July 4, Seaworld hosted the "Wings of the World" airshow. Despite the races held in Daytona and the weather almost forcing cancellation of the show, a large crowd enjoyed the presentations.

The airshow featured performances by Rosie O'Grady's Flying Circus, the United States Army's Golden Knights parachute team, the Royal Jordanian Falcons, the Ray-Ban Reds, an appearance by Kirby "Sky King" Grant and the United States Navy's precision flight squadron, the Blue Angels.

Although the Royal Jordanian Falcons and the Canadian Ray-Ban Reds added an international dimension to the show, the Blue Angels were the most wanted for and acclaimed performers.

The Blue Angels' performance was meticulously planned and ex-

ecuted. The Avion had a chance to speak with members of the Blue Angels.

According to Albert Capone, a maintenance officer, everything from aircraft maintenance to flight demonstration itself becomes routine through rigorous training.

Joining the Blue Angels as a pilot or maintenance personnel is not an easy task. To become a maintenance crew member, commented Crew Chief Robert Skinner, a recommendation from the Commanding Officer is required. The candidate must be a specialist in his field and be ranked in the top ten percentile. Once these criteria are met, the potential member is thoroughly interviewed. If accepted, the new member will be assigned to the Blue Angels for three and a half years.

To fly with the Blue Angels, said Major Jim Dineen, aircraft number two—the candidate must

be a tactical pilot and a career officer. A minimum of 1,500 flight hours are required. The average time a pilot is assigned to the squadron is two and a half years.

The Blue Angels perform three types of shows. According to Major Dineen, the squadron begins with a high show, works down to a low show and concludes with a flat show. If weather conditions are unfavorable, the squadron may begin with a low or flat show.

Logistic support for the squadron is provided by a C-130 named "Fat Albert." Fat Albert carries enough spare parts to build an entire A-4 less its engine.

The "esprit de corps" of the Blue Angels is probably the basis for their success an international reputation. Each member of the team performs his duty from "ready"—before the pilots arrive—through "walk down" with the utmost professionalism.



Discipline and training, shown here after the flight presentation, explain Blue Angels' success and outstanding reputation. (Photo by Richard Grey)

Editorial Fooled?

Julien P. Oleon
Avion Editor

Millions of people throughout the world and particularly the U.S. watched the Shuttle launch on June 26. For its last test flight the Shuttle went to the edge of space and returned to Earth with the American technological superiority in space exploration.

We are getting closer to the once-dreamed space colonies. Much has been done in the past few decades in the field of space exploration. The absence of gravity to conduct medical and pharmaceutical research. One could even dream of a definite cure to cancer in the near future. One thing, however, prevented me from fully enjoying the sight of Columbia's blast-off: DOT 1/82.

What future really lies ahead? We have invented the ultimate weapon and in a mad technological race have connected thousands of them to two buttons—one in Washington and one in Moscow. With a very slight pressure we can do away with the world's two most powerful nations and leave much of the rest of our planet unfit for habitation.

Over the years, in the pursuit of the mirage of superiority, the two superpowers have piled weapon on useless weapon. But today the Earth is not enough, so we are going to stock warheads in space.

What happen to the experiments supposed to ameliorate the well-being of the citizens. President Reagan made it clear in his speech on the Fourth of July that priority will be given to Defense projects and that private corporations will have to finance their own research.

Have we been fooled on the real intended use of the space shuttle? Would we really benefit from it?

Guest editorial

Provost's recognition

I am confident each student, faculty and staff member of E-RAU joins me in thanking the students involved in the pursuit of a bicycle path on Clyde Morris Boulevard. Randy S. Alexander and Anthony Pinto recognized the dire need for the path. For over a two-year period they worked diligently through the City, County and State Governments, coordinating the project with all involved agencies and Florida's Governor, Bob Graham. When Tony left the Daytona Beach Campus to pursue a cop position, Randy "carried the ball" by himself.

The tireless efforts and dogged determination have been successful. Embry-Riddle received a letter from Governor Graham on June 8th, assuring that the State would fund \$100,000. Additionally, \$18,000 from Volusia County and \$5,000 from the City of Daytona Beach has been committed for the construction of the bike path from Beville Road to Volusia Avenue. It is anticipated that construction will begin within the next few months.

Randy and Tony deserve our special recognition and appreciation. They assessed the situation, and because of their concern for fellow students and all who travel the route, they made the realization of the path their challenge. Thank you, Randy Alexander and Tony Pinto, from the Daytona Beach community and all of us at Embry-Riddle. Your success in obtaining the commitment of the necessary State, County, and City funds for construction of the Bicycle Path clearly shows the importance and effectiveness of student involvement in your University.

Provost Fiddl

President's corner

Welcome all new and returning students for Summer II term. The S.G.A. has a variety of up-coming events, publications and projects which you can get involved in with other students.

I regret to inform you that due to a serious illness, your vice-president, Terry Lite, has resigned her position and will be going home hopeful of returning in the Spring.

At present there are two Representative-At-Large and 2 Dorm Representative seats open for appointment on the Student Administrative Council (S.A.C.). S.A.C. is the Administrative body of the S.G.A. which makes policy and approves funds for the S.G.A. along with representing student opinions on various administrative committees, on campus. We are looking for skilled, conscientious, and dedicated people to assume these responsibilities in their Student Government. Applications are now being taken in the S.G.A. office in the U.C.

Embry-Riddle in conjunction with an operator in Orlando will provide the potential for helicopter training. These hours will apply towards your fixed-wing rating and your degree here at Riddle.

There are Upward Bound students here on campus learning about University life with you as their teachers. These students will be making very important career decisions shortly. Their motivation stems from Herman Dub, a graduate of Embry-Riddle and Stetson University. The program is aviation-oriented and presented to enhance their goals to a higher level of learning. Please be considerate of these people and extra courteous; after all you're setting their example.

Again, I want to remind you the S.G.A. is an organization by students for students. We are open for suggestions and new members. Aviation is a common tie among us. Let us use it to enhance our lives and the world around us.

Dino Santeusano, Jr.
S.G.A. President

Klyde Morris

wes oleszewski

THIS WEEK'S MEETING OF THE L-5 AEROSPACE SOCIETY WILL NOW COME TO ORDER. OUR FIRST ITEM OF BUSINESS IS THE VIEWING OF THE STS-4 LAUNCH DATA FILMS.

WE'RE GOING FOR PROJECTOR SAFETY BELTS START. LOWER FACE VISORS. FASTEN ALL. ... 7... 6... MAIN ENGINE START.

BLAST

WE STRESS REALISM HERE.



Letters

Editor's note:
All letters are published as submitted

Commendation

To the Editor:

For four years I have been a student here at Embry-Riddle and have never once wrote a letter to the Editor. Now I have decided to express my views. I would like to commend Julien Oleon and the rest of the Avion Staff on a job well done for the June 2, and June 16 editions.

During a period when student enrollment is low and reputation hard to find, the complete staff of The Avion has done a fine job of keeping the students know what's going on around campus. The Editorial by Julien on June 2, was a well deserved critical review of a major current event on campus. In the Sports section of the paper the staff not only concurred on school activities but on level professional sports as well. Titles of some of the articles may all be a bit misleading (referring to Doc Horwitz on corporate class cost, June 2, and Burn up on sex, June 16) but the overall construction of the newspaper has been good. Keep up the good job!

P.J. Bulger
Box 4177

SGA works for us

To the Editor:

I am writing in response to a letter to the Editor which appeared in The Avion in the June 16 issue, and it is directed to the anonymous person who wrote the letter, the unnamed individual who presented a speech about "Why We Should Abolish the SGA", and the student body as a whole.

The anonymous person stated that he was convinced of the lack of necessity for the Student Government Association. This is ludicrous.

Although I surely do not always agree with the procedures and activities of our SGA, I strongly feel that it serves a very important part of our student life. To begin with, the members of SAC, although sometimes attacked - even by

myself - do their darndest for the student body. I have attended some of their meetings, which last for hours, and seen the discussion that goes on among the members on issues which affect us all. I am sure that students would criticize the ways in which I would handle their funds if I was in the SAC members' shoes. I doubt that students would even agree to the way in which Mr. Anonymous would handle their SGA funds. Perhaps you can see the troubles that these dedicated students face. This is a thankless job, and they do it for us, not themselves.

Perhaps if more students became involved with what goes on in our SGA, there would be less foundationless dissent. Perhaps if Mr. Anonymous ever bothered to attend the SAC meetings himself, he would see that the representatives and President Santeusano are working for us. But then again, you can't argue with ignorant people.

Kevin G. Meas
Box 2623

Phoenix responds

To the Editor:

First, let me offer my congratulations on your new position. I wish you much luck with it. Now to the response: the following is a letter in reply to one written by an anonymous person printed in the last Avion. I greatly appreciate your printing it to set things a bit more evenly.

To the person who criticized the S.G.A.:

I am writing in defense of The Phoenix Yearbook (which in your two years you have never received), the other S.G.A. divisions can defend themselves. Would you have liked your yearbook mailed to your box? No, perhaps you might have liked it presented to you on a silver platter. After two years here, one might have been led to think you know how to go about getting something here at E-RAU. Obviously not. It is also obvious you do not read either, or you would have seen the numerous ads announcing the distribution of the yearbook that were taken out in The Avion the past few years. Funny how others did. I also don't suppose you

noticed the very long lines at the pub area the past couple weeks of September that were for giving out The Phoenix. Maybe your Ray-Bans are too dark. Then there is the good old Avion/Phoenix Office on the second floor of the U.C., near the cashiers office, surely you've been up there, at least to pay your bills. We didn't name it Avion/Phoenix for fun. It happens to be the office for the newspaper The Avion, and The Phoenix (the yearbook), isn't that amazing? Good idea you must admit, naming the office after the products produced there. We still have one more way you could have gotten a copy of The Phoenix, silly as this may sound, you actually could have asked someone who was holding a copy, where he got his and he would have told you. It's no secret, getting a copy of The Phoenix. This September you might think of actually trying one of the above suggestions, instead of writing speeches, but be careful, you might wind up with that elusive phoenix.

Aleta Vinas
1982 Phoenix Editor
Box 5006

SGA fee

We know you have been wondering how your SGA fee works for you. Student Government uses this fee in its many activities to help all Daytona Beach campus undergraduate students.

One service this fee supports is the copy machine across from the SGA office. Besides having the lowest cost per copy of five cents, it reproduces the highest quality copies on this side of campus.

Renting typewriters to students is another service supported by your fee. For \$1 a day and a \$10 deposit, students may sign out the

electric typewriters from the SGA office for the three day limit.

One of our biggest cost-saving services to graduating students is the sale of class rings. All SGA representatives are qualified to sell rings. This reduces the commission mark-up for a substantial savings to students.

Debbie Plinkham, our new SGA Secretary/Treasurer, will be certified as a Notary Public within six weeks. In the meantime, the closest notary service is available at the Financial Aid Office.

Another part of your fee helps pay rental expenses to the University Office. This permits a central location for easy access for students and the school administration. As a liaison between the students and the administration, we are able to present students' ideas or comments to school officials for consideration.

The most visible examples of SGA/Avion coordination are the re-surfacing of the parking lot, the softball field by the University Center, the new basketball court by Dorm 2 and the additional AMI lockers. Student Government has also donated \$5000 to the clubs and organizations account to equip the multipurpose rooms above the racquetball courts now under construction.

Another portion of your SGA fee is used to support the Avion, Phoenix, and the Entertainment Divisions.

The Entertainment Division of your SGA provides activities for your enjoyment such as concerts, movies, lectures, Happy Hour entertainment and pool parties. Chris SICKLER, Entertainment Chairman, invites all students to the Entertainment meetings held every Monday at 6 p.m. in the Faculty/Staff Lounge.

(See LETTERS, page 3)

the avion

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Situation in Lebanon faces uncertain resolution

By Jack Anerson and Joe Spear

WASHINGTON — Sooner or later, Israel will have to pull out of the Lebanese territory it has over-run in the past few weeks. World opinion will force the withdrawal. The big questions then are: Who will the Israelis turn the captured territory over to? Who will be

force to keep Palestinian troops from moving back and once more threatening northern Israel? Unfortunately, the likeliest choice for this job seems to be a deprived Lebanese cutthroat, Major Saad Haddad. He and his right-wing Christian soldiers have been on Israel's payroll for years. To Israel's shame, Haddad and his mercenary thugs have proven to be as dangerous to the United Nations peacekeeping force as they have to the Palestine Liberation Organization guerrillas. In fact, Haddad's bloody record puts him on the same moral level as the PLO terrorists.

Consider this shocking report from a secret State Department document on the plight of the United Nations troops in Lebanon: "The forces presently deployed have been subjected to numerous attacks by Haddad's forces since 1979, including at least 30 incidents in which U.S. soldiers were killed." The report further then cites a gruesome particular. "In one case, two Irish soldiers were tortured and shot in the presence of an American officer," the document states.

The Israeli invasion, meanwhile, caught the Reagan administration completely by surprise. It also embarrassed the president while he was on a European trip that was supposed to show our allies he was in control of events.

What particularly irritates some of the administration's advisors is this: Israel clearly violated the American ban on weapons in an aggressive attack. Some administration officials argue that Israel should be punished for this. The most severe punishment, of course, would be a halt in U.S. military aid to Israel. Other presidential advisors, we are told, are secretly pleased at the idea of a southern Lebanon fire of the Palestine Liberation Organization. This would be a giant step forward for peace in the Middle East, some of the president's aides feel. But for obvious political reasons, the administration can't take this line publicly.

WHAT'S NEXT? Weather modification used to be a fantasy of science fiction buffs, but it may soon become a useful reality. Rep. George Brown, Jr., D-Calif., is sponsoring a bill that would establish a national program of research and development in weather modification. Two immediate goals: the provision of and the prevention of devastating floods.

Public employees have been hard hit by President Reagan's budget cuts, but times will improve. Labor experts at Brigham Young University say they expect huge gains for government worker unions in the coming decade.

The successor to the late King Khalid of Saudi Arabia, Crown Prince Fahd, won't be on the throne too long. States a secret State Department report. "Fahd... has serious health problems. He is considerably overweight, and appears at times to be unable to

concentrate." The business community will make up the losses that President Reagan has cut out of educational programs. Bills now before Con-

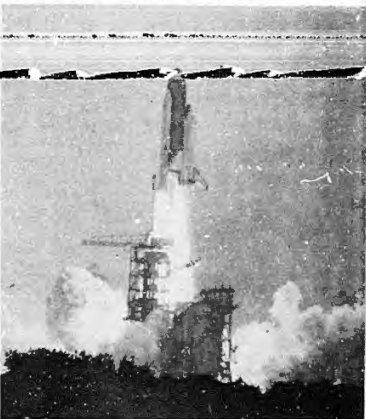
gress will allow companies to donate not only money, but also computers and machines to educational institutions in return for tax deductions.

E-RAU golf club swinging

Israel is not the only country that should be ashamed of Major Haddad's excesses. The United States didn't even lodge a protest over the senseless torture and murder of the two Irish soldiers, even though an American officer was an eyewitness. Instead, our government prefers to maintain the fiction that Israel has no control over the bloodthirsty Major Haddad.

The E-RAU Golf Club which began in March of this year, now has over 40 active members with 20 other members who are not here during the summer. Enthusiastic support from Mr. Lawson Mitchell and The Pelican Bay Golf and Country Club, other colleges and universities in Florida, and last but not least Golf Club members have been responsible for the rapid growth of the club.

On June 5th, Mr. Mitchell held a clinic for club members, giving both group and individual instruction. On June 19th, club members James Willard, Mike Roberson, Dan Gambrell, Bill Songster, Armando Torrealba, and Dan Holcomb volunteered several hours of their time to assist in the clean-up of the Pelican Bay Golf Course after the strong winds of the previous day. Qualification of club members who will make up a golf team to represent E-RAU in intercollegiate competition will continue during Summer B term. Thus far, Josh Perrotta, Bill Songster, Brian Thomas and Armando Torrealba have qualified. A tentative fall schedule includes the Stetson tournament September 30, October 1 and 2, the Hall of Fame tournament in Tampa, October 10 and 11, the E-RAU Fall tournament, October 28 and 29, which the Golf Club will host at Pelican Bay, and the Florida State Intercollegiate Championship at Siebring, November 11, 12, and 13.



Hall Columbia! (Photo G. Tarizzo)

Billiard tourney winner pockets \$20

Having only a fair turnout for the E-RAU Summer A Billiards tournament did not deter David Landin from taking this term's championship. Both Landin and Rainer-up Torrealba played championship. David Landin, a Senior from Nyack, New York, majoring in Aviation Maintenance Management, remarked that it was the first time he had ever won anything. He took home \$20 and a handsome trophy for his efforts. Second place was Armando Tor-

realba, a Junior from Caracas, Venezuela. Armando is majoring in Avionics. Armando also received a nice trophy and a cash prize of \$5. Congratulations to you both! Remember to sign up early for the next tournament to be held Thursday, July 22. Start practicing now.

The tournament, sponsored by Byron & Brown Game Company, was a single elimination event and pairing was done by random drawing. Beautiful spaceship ready to be put to work, and we haven't set forth what we want to accomplish with it, other than improving our National Defense. It was a great disappointment that President Reagan did not take the initiative and set a reasonable goal for our civilian space program.

USAF (continued from page 1) College of Aviation Technology. Sergeant Powell of Det. 157, states that evaluation of this program may take some time since those cadets who complete it may not enter Undergraduate Pilot Training until up to six months after graduation from E-RAU. Once the evaluation is completed, the Air Force will have the option to continue and expand the program.

5 AEROSPACE SOCIETY

Meeting every Wednesday
6:00 pm
W-306 lecture hall

Tonight's NASA film...
"Research Project X-15"
Everyone welcome!

LETTERS (continued from page 2)

Some of the current projects we are working on include paving the entrance to the motorcycle parking lot and organizing a student book exchange in the UC, a suggestion submitted by Randy Cohen, a student here at E-RAU. We are also investigating the feasibility of students who are not enrolled in computer courses being allowed time on the computers. We are looking into many more ideas.

Recently ERAU has been attempting to upgrade the landscaping by removing sections of weeds and half grown grass and regrowing the lawn. This attempt doesn't look too promising near the academic complex where as soon as the area was cleared weeds began popping up again. Is the method for beginning a lawn faulty or do the lawn crews have so much time on their hands that this is busy work for them?

What ever the situation, it seems that the men we have been blessed with by now we would have some greenery. Instead we're looking at it being redug. What gives? Naras "Bo" Alkinsine
Box 5836

OUR MEETINGS ARE OPEN TO ALL. Your SGA cordially invites anyone to attend on Tuesdays at 5:30 p.m. in the Common Purpose Room. If you wish to submit a topic for discussion on the agenda, come to the SGA office no later than Monday at 5 p.m.

Whatever the situation, it seems that the men we have been blessed with by now we would have some greenery. Instead we're looking at it being redug. What gives? Naras "Bo" Alkinsine
Box 5836

What goes? There are several to choose from. How about an operating-prototype-10 kilowatt solar power satellite by 1990; or 1000 people living and working in orbit by the year 2000; or even an operating lunar mining base and a prototype space colony by 2010? All of these are attainable goals. We need only work toward one or more of them. And none of them is as far-fetched as landing a man on the moon was in 1961.

We are looking forward to serving you to the fullest of our abilities in the coming year.

Space goals
To the Editor:
Hall Columbia! Now that the Space Shuttle is fully operational, we all can be proud of the United States' great accomplishment. However, we lack one thing to be proud of: a goal. We have this

We as Americans and as individuals have already accomplished many great things, but only because we had many great goals. The United States' civilian space program needs long term goals.
G. Sherwood Kennedy, III
Box 3187

Green grass?
When will the grass be greener?

Do you want to spend your time creatively?

Dawn of the new Phoenix

You can get in on the bottom floor!

Goals this summer:

- 1) To re-organize present Phoenix structure
- 2) To instruct entire staff in darkroom workings
- 3) To prepare for the coming year by way of instruction and workshops
- 4) To have fun through incentives

We need your ideas and time for a better yearbook

Meetings Thursdays at 6:00 pm
in Avion/Phoenix office

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LSO to play Daytona after 13 years

DAYTONA BEACH — An important chapter in Florida's musical history will repeat itself here July 23 when the London Symphony Orchestra returns to Peabody Auditorium for a set of five symphonic concerts.

The opening concert, with Neville Marriner conducting, will feature Benjamin Britten's *Variazione* — commonly referred to as *A Young Person's Guide*.

This Britten piece was the first selection the LSO played here in July of 1966 with Sir Colin Davis conducting. That concert was the first of eight symphonic programs the Loudners gave here in July and August of 1966 as the highlight of the Florida International Music Festival.

That festival was to continue for four more summers and attract an array of conductors and performers that included Izak Perlman, Vladimir Ashkenazy, Andre Previn and many others.

For its first visit here since 1969, the LSO will be cramming a lot into a stay to begin July 23 and end July 28. There will be five symphonic concerts, an open rehearsal and a chamber music program.

According to LSO spokeswoman, Lydia Chamberlin, Daytona Beach is the only city in the United States where the LSO will be playing over two dates.

"They love it here. For many of them it will be their first time back here in thirteen years."

The symphonic concerts are set for 8:00 p.m. July 23, 24, 27 and 28 at Peabody Auditorium, and in

the Jai Alai Fronton on July 25 (a Sunday). There will be an open rehearsal beginning at 9:00 a.m. on July 24, and a 3:00 p.m. chamber music program on July 26 (program to be announced).

With Marriner conducting, the opening night concert also will include Dvorak's cello concerto with Lynn Harrell, the American cellist.

Fantastique. For the remaining four symphonic concerts here by the LSO, Ivan Fischer will be on the podium. Winner of the Rupert Foundation Competition for Young Conductors in 1976, Fischer was born in Hungary in 1951.

Fischer will conduct a July 24

Rossini's *Barber of Seville* overture, Bartok's *Miraculous Mandarin Suite*, Beethoven's *Symphony No. 1* and Stravinsky's *Firebird Suite*, 1919 version.

An all Tebalkovsky program has been selected for the Sunday night concert at the Jai Alai Fronton: The Polonaise from *Eugene Onegin*, the *Piano Concerto No. 1*



Ivan Fischer, winner of the Rupert Foundation Competition for Young Conductors in 1976, will be conducting the London Symphony Orchestra when they appear in Daytona. Fischer joins guest performers Cecile Licad, Lynn Harrell, Neville Marriner, and Barry Tuckwell.

Pippin currently on stage at SMT



"Pippin" is currently running in nightly repertory at Summer Music Theater, Daytona Beach Community College. Pictured above is the reluctant son of the great Charlemagne, played by Malcolm Gets, being tempted by the mystical side of life, Stephen Foster and his players, Cynthia Trevino and Kelly Miller. Curtain nightly at 8:00 p.m. at DBCC auditorium. For further information call 252-6200.

Local band eyeing the big time

By John Scribner
Entertainment Editor
Anyone who attended the Kool Jazz Festival in Orlando last month will remember a group of dynamic musicians that entertained the crowds in the sweetening afternoon heat.

The group's name is Sporty and they hail from the Central Florida area. Most of the band members have either attended or are currently attending Bethune Cookman College, here in Daytona Beach.

Sporty is comprised of Shawn McCray, the leader of the group and also the lead guitarist; Troy McCray, Shawn's brother and the band's lead vocalist; Joe Welcome, the band's musical director and trumpet player; Alexander Dean on saxophone; Curtus Cue, the only native Daytonian and the group's bassist; Conrad Hawthorne, keyboard player and one of the band's songwriters; and Gerald Sparrow on percussion.

Of all the band members, Shawn McCray and Curtus Cue have the most experience in professional music. Shawn has played with the Staple Singers and has a brother, George McCray, that co-wrote the hit "Take Me in Your Arms and Rock Me Baby" with K.C. and the Sunshine Band.

the group has at least eight years of experience under his belt. One of the most striking points about this band is their business like approach to their profession.

Duties, i.e. business, bookings, rehearsal scheduling, are apportioned to each member of the

group and that person is held liable for their end of the deal. Members even fine other members \$5.00 for showing up late to gigs.

While Sporty members approach the music industry with a no-nonsense savvy, Sparrow rejects the thought that they might

become commercialized.

"It's just that if you can key out the music, you'll be able to do more. Besides, we've a keen eye out for the (commercialization)."

The group is exceptionally close on and off stage. One method the band employs for staying together is what they term "The Circle of Fear."

Sparrow explains, "We call it the Circle of Fear and it's a prayer we give just before going on stage for a gig." The Circle of Fear is intended to rid band members of any "emotional hangover" they might have and allow them to play effectively on stage.

When asked about future plans for the group, lead Shawn McCray speaks brightly about a not too distant album (McCray, Hawthorne, and Sparrow all write material) and future concerts.

"We'd feel comfortable opening for a major act like the Commodores or Earth Wind and Fire," says McCray, "but we would have to put a lot of work into something like this."

Openly optimistic Conrad Hawthorne says he's looking for Sporty to become as big as America's number one band and would like to play internationally.

In the mean time, the band plans to refine the act learn new material, and play wherever gigs they can get.



sporty: (from left to right and bottom to top) Curtus Cue, Troy McCray, Gerald Sparrow (with glasses); next row: Alexander Dean, Joe Welcome; standing: Shawn McCray, Conrad Hawthorne.

Of sights and sounds

Album and film reviews by John Scribner and Jeff Guzzetti
Albums courtesy of Cameo/Tot Records

E.T. The Extra-Terrestrial Universal Pictures

Don't let the title fool you. *E.T. The Extra-Terrestrial* is not a highly scientific study of a life form from another solar system. It is, however, a so-so, simple, warm story of a boy and an alien munchkin that is left on Earth.

E.T. is another summer effort of whiz-kid director Steven Spielberg, who has made two other movies that are the most successful of a comical and loving encounter between a little boy (named Elliot) and a "freaky" alien. In *The Sandlot*, the boy's dog is mentioned when it's impaled and leaves Earth. By the way, the spaceship is straight out of *Close Encounters of the Third Kind* and *E.T.* is a kind of Yoda from *The Empire Strikes Back*.

Elliot, his brother and sister discover what *E.T.* is all about while trying to hide him from their mother and any other adult that might try to exploit or dissect the creature. A psychological bond forms between Elliot and *E.T.* and the plot builds from there.

E.T. is taken from a child's point of view which makes the film all the more innocent. An adult's face is not even shown until the film is just about over. Other virtues are found in excellent use of lighting and direction which seems to be the trademark of Steven Spielberg.

Granted, *E.T.* is a half-decent movie. But does it really deserve the title of "the smash of the summer"? The film seems to rely too heavily on cuteness and tear-jerking scenes. The plot is not magnificent in any respect and is very predictable.

Like *Pollergeist*, *E.T.* is the kind of movie that might be worth watching once. It is more of a children's film than anything else and is currently showing at the Halifax Twin Theaters.

J.G.

Pollergeist United Artists

Steven Spielberg is back! The genius movie-maker (who directed *Jaws*, *Close Encounters of the Third Kind*, and *Raiders of the Lost Ark*) is proving once again that special effects, good direction, and widespread publicity sells tickets. This time, Spielberg tries his hand at horror in *Pollergeist*, which is currently playing at the Bellini Plaza Cinema in Ormond Beach.

Pollergeist (which literally means "naisy ghosts"), is a kind of *Amityville Horror* set in Southern California suburbia. It pits an ordinary family against evil spirits that haunt their comfortable home. The spirits are borne out of none other than the T.V. set, and terrorize the family through a series of ghastly, supernatural events.

An evil tree comes alive and almost swallows a little boy (Oliver Robb); a T.V. set sucks in a little girl (played well by Heather O'Rourke); and their father has an illusion that his face is melting away when he looks in the mirror. These are but a few of the "sight scares" that infest *Pollergeist*. The special effects are good, but many of them seem to come straight out of the ending in *Raiders of the Lost Ark*.

The depiction of the ordinary suburban family is excellent (Craig T. Nelson and Jobeth Williams are great in their realistic roles of mother and father); all the characters are well defined. Yet, the plot with which they live in is somewhat watered-down.

Pollergeist is a sometimes comical, sometimes shocking picture that has many virtues to boast about. One of them is the way Spielberg brings childhood nightmares to life. However, this movie has many shortcomings. It seems to be most fascinating than frightening, but this is probably due to its subtle PG rating. All in all, *Pollergeist* is not one of Spielberg's best, but it is a worthwhile film to see at least once.

J.G.

Blade Runner Warner Brothers

Ridley Scott's *Blade Runner* is highly reminiscent of *Alien*, Scott's most recent effort - one of the fily' top grossing movies of all times.

Blade Runner is a detective story that just happens to take place in the future, at the beginning of the 21st Century. The film's central character, Rick Deckard, is a modern day Sam Spade, struggling through a dismal life that he wishes he could do something about.

Harrison Ford (*Star Wars*, *Raiders of the Lost Ark*) plays Deckard, a *Blade Runner*. These *Blade Runners* are an elite group of cops that hunt and kill Replicants, synthetic humans that have been built to carry out the hard labor that humans no longer want to work at. The Replicants are not robots as they contain no machinery; they are synthetic created humans. Because of a defect in their genetic engineering, Replicants are allowed to work only on the "Outer Worlds" and not on Earth.

Four Replicants return to Earth (the movie takes place in Los Angeles) and Deckard is called out of retirement to turn "retire" the replicants.

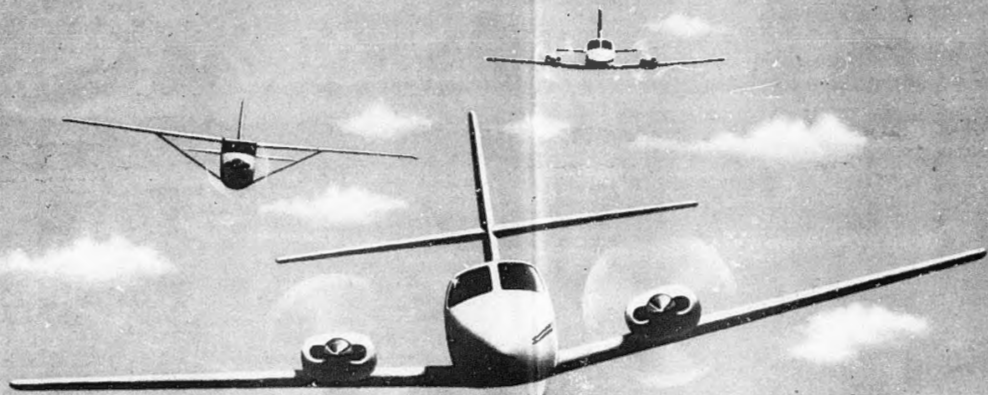
Aside from taking place in the near future and dealing with synthetic humans, this movie has the classic detective plot line of a Mickey Spillane thriller. Deckard could be Phillip Marlowe stalking murderers in Los Angeles in the 1940's. Ford plays the role of its utmost - the tired, cynical, I've-seen-it-all cop that's tired of the city grime and is looking for a little sunshine. Deckard's sunshine in this movie is Rachel, played by the beautiful Sean Young (*Stripes*).

See *Blade*, page 8



and
The French Lieutenant's Woman
Friday, 8:45 p.m. in U.C.

Cessna announces the financing plan for your "fiscal fitness." It starts with 0% interest.



Good economic news travels fast.

No interest for a year. The first year you own a new '81 or '82 piston-powered Cessna, every cent of your payment goes exclusively toward the principal. Interest for these twelve months is not deferred or tacked onto subsequent payments. It's all equity, completely free of interest charges.

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1. Continue under your original contract with 16% interest, on the remaining balance.
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Any of these options allows you to own a new Cessna for one year without paying any interest.

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Best deals ever. The "Fiscal Fitness" program is supported by Cessna and Cessna Finance Corporation. No Dealer contribution is required. That enables your local Dealer to offer the best deal ever on the airplane you need.

The savings add up. All these "Fiscal Fitness" advantages will be in addition to the current 10% investment tax credit and 15% capital depreciation allowance in the first year. Your tax advisor can show you how it applies to your individual financial situation. But in any case, it means remarkable cash flow advantages and a far lower overall cost of owning a new Cessna.

12% interest on used Cessnas. "Fiscal Fitness" isn't limited to new aircraft buyers. '78, '79, '80 and '81 used piston-powered Cessnas have their own special low, first year interest rate of 12%. Interest rates in succeeding years range from 13.5% to 17% A.P.R., depending on the amount financed and term of the loan.

We've made our move. Now it's your turn. For complete information on how buying a Cessna can improve your "Fiscal Fitness," contact your local Cessna Dealer, or call Cessna Aircraft Company at 1-800-835-0025. (In Kansas call 1-800-362-0356.)



Cessna Where your fiscal fitness begins.

Allison takes 400, Ongais wins 250

BELOW: Bobby Allison, in the number 88 Gatorade Buick, leads the pack around Turn 4 in last Sunday's Firecracker 400. Allison narrowly beat out Bill Elliot in the number 9 Melling Tool Ford to win the \$318,575 pursed race. It was the 24th Firecracker 400.

RIGHT: Ted Field (left) and Danny Ongais (R) beam in Victory Lane after winning the Camel GT Paul Revere 250 in their Interscope Chevrolet Lola T-600. The Interscope team dueled closely with the J.L.P. Racing Porsche 935 Turbo of John Paul Jr. and Sr. but finally won out when John Paul Jr. pulled into the pits with the car's rear end on fire.



Bowling league begins second half with close competition

By Earl Schuette

As we enter the second half of the season, the "No Names" (Dave Harwick, Larry Mayer, Bill Maresco, Colin Stocker) have taken a sizable lead. Five teams behind them are maneuvering for the second and third place positions. As we head into the final six

weeks, the competition is sure to get tougher.

To date, the league totals are: Men's High Series: Carey Adams (Outlaws) 610; Men's High Games: Rob Stadmir (Brothers of the Wind) 229; Women's High Series: Manlye Rogers (T.A.S.U.)/Naomi Karkanen (Los Cueros) 487;

Women's High Game: Naomi Karkanen (Los Cueros) 301; Team High Series: Outlaws, 2227.

The results of the seventh week were: Women's High Games: Laurie "Ralph" Ranfox, (T.A.S.U.) 179; Susan Sorenson (Sex Pins) 163; Suzanne McKenney (Lem's Angels) 162; Women's High

Series: Suzanne McKenney (Lem's Angels) 453; Laurie Ranfox (T.A.S.U.) 434; Men's High Games: Bob Junge (Snowblind) 215; P.J. Bulger (Gofer It) 206; Rocky Sebastian (No Names) 210; Joe Golinski (Challengers) 202; Men's High Series: Rocky Sebastian (No

Names) 599; Joe Golinski (Challengers) 548; Rob Stadmir (Brothers of the Wind) 527.

The team standings are below: No Names.....23,560; Outlaws.....19,965; Challengers.....19,956; T.A.S.U.....18,103.

Gofer It.....17,115; Snowblind.....16,121; Vets Club.....14,145; Sex Pins.....13,155; Overnights.....11,759; Brothers of the Wind.....10,187; Los Cueros.....10,189; Hollywood.....9,156.

HEERRE'S EAA And here's what you've been looking for: It's all here—the entire spectrum of sport aviation—homebuilts, antiques, classics, warbirds, gliders, aerobatic, factory-builts, ultralights, racing, seaplanes, replicas—take your choice! Meet the people who share your aviation interest. For those who wish to design and build their own airplane, EAA offers help and educational assistance including local chapter support and free safety inspections throughout the nation. There are many more membership benefits including attractive monthly publications on all phases of sport flying. Whether you fly, build or just dream about airplanes, EAA's the place to be.

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EAA THE SPORT AVIATION ASSOCIATION
P.O. Box 229 Hales Corners, WI 53130 414/425-4680

Beginners' tennis starting

Tennis instruction for Beginners only. Sign up is going on now in the Recreation Office through July 7. Starting July 7, classes will be Monday's and Wednesday's 9 a.m. to 10 a.m. The class will be

limited to the first 12 people.

Sign up at the Recreation Office through July 7 for participation in an E-RAU Racquetball Doubles tournament. Games will be scheduled on your own leisure time. There

will be a meeting for those who have signed up July 8, 4:30 p.m. in the Common Purpose Room.

For all you tennis buffs, this is National Tennis week from June 19 through June 27th.

Last Call for a 19 year old Embry-Riddle Aeronautical University Sophomore to become a 21 year old Army Officer.

The Army offers college sophomores the opportunity to earn an officer's commission in two years. The deadline for this year's class is soon.

Approve and once you are accepted for the special two-year program, you attend a six weeks summer camp, for which you'll be paid approximately \$650. And that's not all... you may find yourself in the best physical condition you've ever been in.

The back to college—and the Army ROTC Advanced course in the fall. If you've done exceptionally well at camp, you may be heading back to college with a full two-year scholarship.

For the next two years, you learn what it takes to be an Army officer. You get the kind of management and leadership experience that will be an asset to you in any career, military or civilian. You will earn an extra \$100 a month up to 20 months. And when you graduate, you will have earned your college degree along with the gold bars of an Army officer.

The Army ROTC Two-Year Program

If this is the kind of challenge you are looking for, you are the kind of student we are looking for.

Call:



CAPT. JOHN J. ARVAI
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(904) 222-5581
Extensions: 1288, 1173, 1196

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Daytona Beach, Florida 32114

Classifieds are a free service to the student body

autos for sale

VW DASHER '76 For Sale, 2 door, fuel injection, w/fin cassette, good in shape...

FOR SALE - 1971 MG B Convertible plus floor cover, new muffler and battery...

1970 BUICK SKYLARK - Had small engine fire, low 700 engine and transmission...

FOR SALE - Sears Refrigerator 6 months old, good condition...

rooms for rent

NEED ROOMMATES to share house in Fort Orange. Near school, spacious and clean...

WANTED: FEMALE ROOMMATE for Fort Orange Campus - only \$133 per month...

Big brother program

There will be a meeting on July 7th at 7 p.m. in the Common Purpose Rooms for all those interested in becoming a Big Brother or Sister...

FAA written exams

Embry-Riddle Aeronautical University will administer FAA Pilot Written Examination on the following dates: Tuesday, July 6, 13, and 20...

Pell grants determined

The Financial Aid Office has just received information from Washington concerning the Pell Grant awards for the 1982-83 school year...

Florida high school grads

Students who graduated from a Florida High School or have received a Florida G.E.D. are reminded that it is necessary to complete a new Florida Tutor Voucher (FTV) application...

FAA director to speak

On Tuesday, July 20, at 8:00 p.m. in the University Center the Career Center will sponsor a lecture in their "Mission Careers" series...

Attention graduates

FALL GRADUATION??? Submit your application one trimester ahead for Graduation so that we can help you prepare for a smooth completion...

miscellaneous

EIGHT INSTRUCTION - Private and Commercial, 238 w/e, 224 dual, call Rick...

cycles for sale

MUST SELL - 1980 Honda XL 125S Recently restored, \$125 major tune up...

74 YAMAHA 1500 672-5500 ask for Dick...

KAZAHAKI N3500 1976 - Excellent condition, Run great, recent tune-up...

78 SUZUKI GS750 All stock except f.w.b. 17,000, sport front, 2917 rear, great handling...

75 HONDA MT-350 Elmore, 500cc, sport bike, clean w/no rust, new rings and bearings...

71-70 HONDA for sale. Call 781-233 ask for Dennis, Box 7085.

1979 HONDA CX 500 Convertible. Drive shaft, water cooled, electric start, brand new...

FOR SALE - 1980 Moparts - Mogot. Needs some work to be in top shape...

FOR SALE - Kawasaki 250 cc, 1981. Good condition, sport use. Contact Mario...

FOR SALE - 1979 Honda Twinstar. Good, clean condition with 8700 miles. 70 reg. Asking \$500 or best offer.

FURNITURE FOR SALE: Desk \$75, 2 end tables, \$15 each, office table, \$45, w/e...

DINING ROOM TABLE - w/4 chairs, \$30, w/e like new - \$30. Both for \$50. Only \$25...

BRUNSWICK COMBO DINING ROOM Card and Bumper Pool Table. Original in Excellent condition...

FOR SALE - RR 22 cc. push 70" barrel Voyer's cycle. Magnam and long offset cylinders, asking \$75. Call Steve 788-4174.

PANAMA HOTELS - Ad. Res. Para-Cruises, only five yrs. E.C. Best offer exception...

COLT COMBAT COMMANDER - 45 ACP. 21 clips and holster, \$130. Colt Trooper MR III, .357 Magnum, \$225...

NEED HELP MOVING? I have a flat bed car trailer and a van. If you have something that needs to be moved...

MOVING? For sale - Coppertone flat-free refrigerator, bamboo couch chairs...

FOR SALE - H.B. 67 cc engine with Perry Carb and flow thru muffler. Brand new...

GO-CART FOR SALE - 3hp 3-speed engine. All terrain tires and a fiberglass body. Call 494-8233.

FOR SALE - 2 1/2 Kwon single axle 4900watts, 4.8 VDC. powered. Great for customizing projects...

ICYCLES FIRE SALE! Pre-owned Harley-Davidson, Honda, Suzuki, Yamaha...

FOR SALE - 1980 Yamaha Le Tour 10-speed men's bike, 24 inch. Handly over ridden and kept outdoors always...

FOR SALE - Yamaha GSX 750m camera with wide angle, tele, closeup lens, flash, and lens...

FOR SALE - 1 Kenwood Stereo Receiver, model KR 8005, 5 Watts total (110 V. and 220 V.)...

FOR SALE - BSR turnable w/Auto cartridge. Sanyo 40 Watt amplifier, Fisher tape deck...

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FOR SALE - 3 Kenwood Stereo Receiver, model KR 8005, 5 Watts total (110 V. and 220 V.)...

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FOR SALE - BSR turnable w/Auto cartridge. Sanyo 40 Watt amplifier, Fisher tape deck...

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ROOMS FOR RENT - (3) \$125/ month plus utilities. Furnished. Close to mile to DCCC...

ROOMMATES WANTED - 3 bedroom modern home 3 1/2 miles from school...

THE TRAILS - Share a 3 bedroom townhouse. 2 bedrooms available with private bath...

DORM B OR PINE LAKE APT COMPLEX II Contract for 1982-1983 school year is desperately needed...

ROOMS FOR RENT - Furnished Florida Room, \$125 per month plus utilities...

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personals

1. Thanks for the help and the fun you gave me this past year. Enjoy yourself in New York...

Dear SnowBlind, Sorry we crumbled your cookies last Monday... Best I regret about it was that...

Dear "Yoda", I'm still looking forward to the weekend in Atlanta. Hope you are sweet! Tell "Wilbur" I said hello.

Dear Pen Pal, I also wait, talk and drive a car. I don't know you but my friends do. What's the scoop? Guess Who.

Redken advertisement featuring a woman's hair and the text: 'New Designs formerly "The Hair People" (of Daytona) SHAMPOO, STYLE CUT, & BLOWDRY \$10.00 SHAMPOO & CUT \$8.50 CUT ONLY \$7.00'

Daytona Beach Flying Club advertisement listing various aircraft for sale or rent: 'Essna 152 \$26 Hr, C-152A \$132.50, Decathlon \$190, Aerobic Courses, Basic C-152A \$210, Decathlon \$267, Advance C-152A \$414, Decathlon \$555'

Home of Golden Rock 'n' Roll Daytona Beach, Fla. and Famous Hole Students Only Discounts. Nightly Twist-Limbo, Hula Hoop Contests. 255-6421 301 S. ATLANTIC AVE

E-RAU graduate joins Royal Jordanian flight team

By Bo Alkaninis
Avion Staff Reporter

This past weekend gave some of you the opportunity to see an im-

pressive air show at Sea World. The show had performances by many talented pilots including the well-known Blue Angels and the

Royal Jordanian Falcons, the Royal Jordanian Airline's civilian aerobatic team. Something you may not have known when watching the spectacular performance was that an Embry-Riddle graduate is a part of the support for the Royal Falcons. He handles maintenance, modification and inspection of the team's aircraft.

Embry-Riddle this past April with an Aviation Technology degree. His outstanding performance in the program by making the Dean's List and receiving the Rising

Junior Award last April made him a natural to be a part of the privileged few who are selected to be on the team. Hamadeh holds E-RAU's Maintenance Technology program in high esteem because it prepared him well for the work he is doing now. Hamadeh commented that the courses on wood and fabric structures are especially important to his needs since he works on Pitts S-25's. His knowledge of the engine overnight if necessary and two can dismantle a plane for shipment in about four hours.

Hamadeh's future is on the upswing from the way it looks

now. At present, he plans to tour with the team for a few years to gain practical experience, then he wishes to return to school for a degree in Aircraft Engineering Technology. His dreams are to be able to build and fly his own aerobatic planes.

The Royal Falcon's first North American tour will take them to about 25 airshows around the country by S-25 aircraft for their aerobatic needs which are American built biplanes constructed of steel tubing and wood covered with a dacron fabric. These planes cruise

at near 170 mph and can pull plus nine or minus four and a half G's in their maneuvers. They perform three ship formation sequences of rolls, loops and precision passes so that their maneuvers flow smoothly from one to another avoiding sequences which require time-consuming reprints. The team is definitely one of the best in the world. Look for the Royal Falcons this summer and when you hear of them remember that Embry-Riddle plays a part in their ability to achieve excellence in the air.

Authentic training for shuttle landings

This summer is going all out on training in landing the space shuttle orbiter by flying business jets

in its final stages of descent. The Grumman Gulfstream II Shuttle Training Aircraft (STA), shuttle pilots are making precision approaches and landings that duplicate those of the space shuttle orbiter. Sperry Flight Systems and Grumman Aerospace Corporation have modified two Gulfstream II's as STA's.

A Sperry 1619B airborne digital computer enables each STA to duplicate the flying characteristics of the orbiter. A shuttle-style hand controller, as well as a duplicate of the shuttle instrument panel, replaces the standard Gulfstream controls and panel on the left side of the cockpit; the right-hand side of the cockpit is unmodified.

To date, Sperry's share of work on the STA has a value of more than \$4 million.

The Gulfstream II's have been structurally modified by the addition of direct-lift controls and side-force generators to make them respond in flight as does the orbiter. The simulated shuttle landing begins at 35,000 feet as the instructor pilots the simulated shuttle approach. Data into the Sperry

computer are engaged to simulate the aerodynamic drag of the real shuttle orbiter. The computer-controlled simulation maintains the programmed speed of the orbiter in its 19-degree descent, which brings the STA earthward at 12,000 feet per minute.

The astronaut practices the required hand-controller inputs by an attitude-and-direction indicator identical to that in the shuttle itself. The astronaut can either fly the approach manually or monitor the progress of the automatic flight control system.

As the approach is completed (with a simulated landing 50 feet above the runway -- the height the astronauts would be when landing the orbiter), the instructor takes over and flies the STA back up to 35,000 feet where the astronaut trainee begins another practice approach.

Sperry Flight Systems also provides several different types of hardware for the shuttle and designed the orbiter's automatic landing system.

L-5 participates in space week

By Kevin G. Mess
Secretary/Information Officer

The L-5 Aerospace Society did it again! What would you say? Well, the L-5 Society viewed yet another superb and flawless launch of the Columbia into her fourth and final test flight into low earth orbit!

Members and friends gathered Sunday morning in front of the University Center at 7:00 a.m. and boarded one of the Riddle vans (which was obtained by our advisor, Mr. William Brown). After checking to make sure everyone was there, we headed south to the Kennedy Space Center. We parked our van on Concourse West, which offered us a vantage point of the shuttle only five miles away. Talk about close! Although the view of the Columbia's previous launches from Ponce Inlet were spectacular, none compared to the sights and sounds obtained from being only a stone's throw away. Columbia could be seen several minutes after her launch, as the weather was custom-ordered for the launch and was as beautiful as could be hoped for. All in all, an

estimated 500 thousand people were in attendance to witness Columbia's "bon voyage."

To all new students having just arrived for the Summer B term, L-5 wishes to welcome you to the best school of aviation in the world. L-5 serves an integral part in developing the future of our world as a promoter of the peaceful industrialization of space and its resources. We are a chapter of the International L-5 Society located in Tucson, Arizona, and as such, we plan many pro-space activities throughout the year.

Approaching soon is National Space Week which commemorates man's first landing on our moon on July 20, 1968. On Thursday, July 22, L-5 will be presenting several guest speakers (science-fiction writers and NASA representatives) in the U.C. A model rocket exhibition and a NASA film festival are also planned. Plans to set up a booth in the Volusia Mall prior to July 22 are also in the works. This event should prove to be very educational and enlightening (not

mention down-right fun!).

Our next meeting is scheduled for tonight, Wednesday, July 7, at 6:00 p.m. in room W-306 lecture hall. We will discuss our upcoming plans and activities, including our tentatively-planned "Evening with NASA" later this summer. As always, President Jeff Guzzetti has arranged to show an excellent NASA film entitled "Research Project: X-15" which delves into the roots of the present

shuttle program.

Membership applications are always being accepted from students and faculty members alike. If you would like to become a member of a progressive and important organization of the future, come to our meeting and meet Scott and the great people who are and will be working for our future. All are welcome, so bring yourself and your friends. After all, Space Is the Place!

Movies are too expensive to go wrong - get the low down on the current films in The Avion's Entertainment section.

BLADE (continued from page 4)

There are what is getting to be the token special effects but these are only incidental to the plot. Deckard uses a sophisticated computerized photo-analyzer to come up with clues; police fly around in "Spinners," space-age cop cars that still carry blue and red cherries on their roof.

Director Scott sets up an eerie, almost mystical undercurrent with the help of surreal lighting effects and a continuous unearthly soundtrack by Vangelis. The end product works exceedingly well with the movie's plot and dialogue.

There are some brutally violent

scenes as Deckard tracks down the Replicants, but the violence seems only to offer an effective contrast to the sleepy surrealism created throughout the movie. Scott and his set designers seem to have a dismal view of Los Angeles in the upcoming century. Most humans have left for the Outer Worlds where life is apparently better and they have left a grungy carcass of a city where it constantly rains and modern architecture is juxtaposed with 20th Century buildings in a weird mish-mash that further aids the surreal theme.

J.S.

LSO (continued from page 4)

and Symphony No. 5. Soloist in the concerto will be Cecile Licad, 1982 winner of the Leventritt Foundation's Gold Medal Award. Born in the Philippines, Miss Licad is a rising star

who has appeared with the orchestras of New York, Boston, Chicago, and other major music centers.

Barry Tuckwell, recognized as one of the top horn players of the world, will be heard during the July 27 concert in a performance of the Strauss Horn Concerto No. 2. That program also will include Kodaly's Dances From Galantia and Beethoven's Symphony No. 7.

The first part of the program in July 28 will be devoted to the music of the English composer Frederick Delius, who lived near Jacksonville from 1884 - 1886. Eric Finby will be the conductor in the LSO performances of *Walk to the Paradise Garden*, and *Appalachia*. Anton Dvorak's *New World Symphony* conducted by Ivan Fischer will bring the summer concerts to a conclusion.

Season tickets for the series of five symphonic concerts here by the LSO are on sale at the London Symphony Orchestra box office, P.O. Box 100, Auditorium, 600 Auditorium Boulevard where inquiries may be addressed. Tickets to single concerts will go on sale May 8. General admission tickets for the chamber music concert and open rehearsal will be available at the door.

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Christian fellowship club plans beach party

By Helen Zora Hedix
The Christian Fellowship Club closed Summer A out with a high note. Mr. Ray L. Covey, manager of Cashtronics in Holly Hill, spoke at our June 11th meeting about "Goals in Christ." For not even when one has an abundance does his life consist of his possessions," Luke 12:15-21.

Dr. John Wheeler, professor in Humanities Department and E-RAU chaplain, spoke at our June 18th meeting. He spoke about "Love Never Fails With Christ." I Corinthians 13:8 and 1 John 4:1-13.

Errol Lewis, the president of the club, will be speaking at the July 2nd meeting in Room E-611. The Christian Fellowship's "Welcome To Newcomers Beach Party" will be July 9th, at Ponce Inlet. If you need a ride, please call Errol Lewis at 252-5176.

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Common Purpose Room U.C.

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11:15 a.m.

CATHOLIC MASS

7 p.m. & 10 p.m.