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Avion 1987-11-04

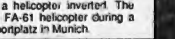
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Submitted to:
Eric S. Doten,
Chancellor
Daytona Beach Campus

By:
Robert L. Rocket
Dean of Student Affairs

Dr. Daniel J. Kelly
Dean of Students

Stephen R. Whitmer
Director of Budget
and Finance

Seventeen sports clubs have been active on the Daytona Beach Cam-

pus primarily due to the interest, desire, and leadership of student and faculty participants. Team memberships and intercollegiate activity, therefore, have varied from year to year in large part, dependent upon such factors. During the last two years a call for University support of an intercollegiate program has increasingly been heard from students as well as a number of faculty members and administrators. It appears that the campus has evolved into a state where these calls for action should not only be heard, but acted upon.

The options at this early stage of exploration are obviously broad as to what actions could be taken to get a sports program off the ground. At

least small recreation staff can offer. Another option at this end of the spectrum would be to budget a few thousand dollars to each of the sports clubs that presently exist and complete intercollegiate. Candidly, such monies would serve to quiet the present cries for some/any support, but do little to answer the questions of planning for the future.

One the other end of the spectrum would be the immediate infusion of massive amount of University monies into personnel, facilities, equipment and time commitment of campus and university administrators into a full blown affiliated intercollegiate athletics program.

Instead of choosing one of the above approaches, it is recom-

ended that a varsity and team sports intercollegiate program become a part of the recreational offerings of the Daytona Beach Campus. Concurrence with an agreement to support a University program is recommended.

GENERAL PROGRAM PARAMETERS

It is recommended that a varsity and team sports intercollegiate program become a part of the recreational offerings of the Daytona Beach Campus. Concurrence with an agreement to support a University program is recommended.

See SPORTS, page 3

Motorcycle accident injures student

By Mike Osborn
News Editor

Engineering student Insoon Lim was involved in a motorcycle accident that seriously injured him this past Friday.

Lim was proceeding north on Clyde Morris on his 1987 Honda Hurricane when he struck a car that was making a left hand turn into the Volusia County Health Clinic across from Embury-Riddle.

According to witness Steve Paik, the impact of the crash threw Lim

up in the air approximately seven feet and straight down very close to where the accident occurred. After being treated on the scene by the Daytona Beach paramedics, Lim was rushed to the Halifax Hospital Medical Center for further treatment.

Lim underwent surgery at 8 pm for two fractured legs, a ruptured spleen, and cuts and abrasions on his hands. At 11:30 pm he was released from surgery and placed in the intensive surgical care unit.

On Saturday, Lim was awake and responsive according to his friend, Melissa Kalin, who was at the hospital awaiting word of his condition.

The driver of the car, Ada Giordano, 80, and her passenger Rose Smith, both of Ormond Beach, were uninjured in the crash. Daytona Beach police officer Rick R. Rivers was on the scene of the accident and, after talking with witnesses, cited Giordano for violation of the right of way.

Giordano was heading south on Clyde Morris in her Oldsmobile model Ninety-Eight when she turned left trying to enter the health clinic. After the impact, Giordano's car ran into the stop sign at the clinic knocking it down.

From the skid marks that were left on the road, it appears that Lim saw the on-coming car starting to turn and locked his brakes trying to avoid the accident. Unable to avoid the crash, Lim's motorcycle hit the front passenger quarter panel throwing him into the windshield and over the top of the car.

Paik said that Lim was not speeding and Giordano was going to slow down, but had no intention of stopping before turning.

October 26, Chairman William Proxmire (D-Wis.) conducted an investigation into alleged manufacturing deficiencies in the F-16 high performance jet fighter, made by General Dynamics.

The hearings came as response to a suit recently won by Janet Harduvel, widow of Air Force Captain Ted Harduvel, who was killed in 1982 during an F-16 training mission. Harduvel was awarded \$3.5 million by a Tampa jury in a suit filed against General Dynamics.

The suit alleged that the accident was caused by a systems failure of the main and backup attitude indicator.

CBS showcased the suit in the October 25 edition of 60 minutes the day before the hearings.

The show included documentation of how Harduvel and attorneys mounted evidence to show that General Dynamics was aware of problems concerning wire chafing in the F-16, but did nothing to correct them, or provide warning to the Air Force.

The hearing, chaired by Proxmire, contained highly emotional appeals by Mrs. Harduvel. At one point, she referred to herself and attorneys as "the world's greatest accident investigator."

In statements before the joint committee, attorneys for Harduvel admitted that they could not say whether other instruments besides the attitude indicator had failed. According to 60 minutes, the Air Force considers disorientation and pilot error as the cause of the crash.

The military deputy of acquisition, Lt. Colonel Monahan, as well as the management systems deputy of the office of comptroller, Ernest Fitzgerald made opening statements and answered intense questioning by Proxmire.

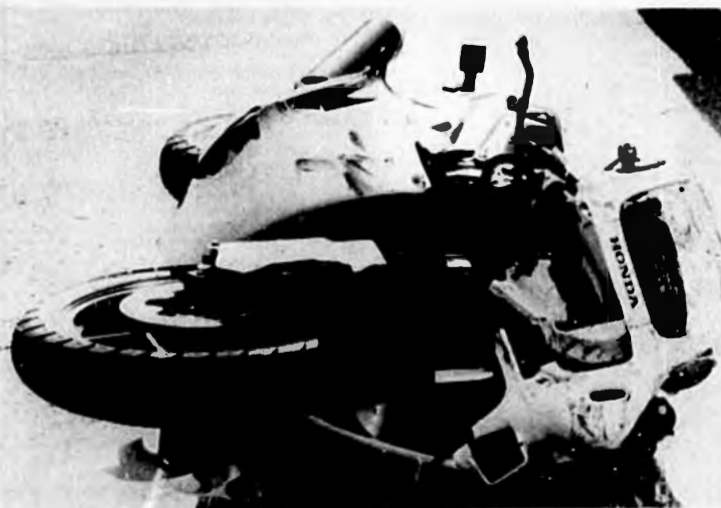
Monahan, who is responsible for taking action upon finding probable cause of military accidents, noted that the F-16 has the highest overall safety record of any single engine fighter in U.S. history.

Proxmire, apparently not understanding the statistics, questioned this, as the total number of accidents had increased in a recent year. Monahan informed Proxmire of the recent increase in flying activity.

Monahan also gave testimony indicating that no accidents involving the F-16 had been determined by the investigating body to have been caused by wire chafing. He added that any problem dealing with flight control problems received "very high priority." He also pointed out that the F-16 is the first all electric, or "fly by wire" airplane in the U.S. fleet, making wiring problems of higher priority.

Proxmire questioned Harduvel's attorneys as to why the second portion of the accident investigation was not made available to Harduvel and her attorneys. At Proxmire's prodding, the attorney went on to speculate as to possible reasons.

See Gun, page 3



Classifieds.....13
Clubs.....8
Comics.....11

Diversions.....4
Space Technology.....5
Sports.....10

Trivia - In July of 1939, Hanna Reitsch became the first woman to fly a helicopter inverted. The feat was done using a FA-61 helicopter during a demonstration in the Sportplatz in Munich.

Editorial

Avion looking for recognition

The Avion attended a convention of the Associated College Press this past weekend. Compared to just about all other university publications, the Avion far exceeded the capabilities and coverage of other newspapers. We were critiqued as being very technically oriented and responsive to our readers.

Our only area in need of improvement would be our computer system. This is currently being upgraded by a page layout system utilizing the Ventura program with our laser printers.

The convention judges were surprised that our university has no journalism or publication department. This is an accomplishment, considering that we are nearly a volunteer staff receiving no school credit.

Other university newspapers are controlled by their school administrations - the Avion is not, and will never be. Most other newspapers have heavy advisor involvement, whereas as our advisor, Dr. Osterholm, lets the student staff of the Avion operate itself, at our request.

The Avion is mailed to over 700 influential people in the aviation community, not to mention the amount of second hand readership. We are a major link between Embry-Riddle and the aviation industry. One can see the responsibility involved in operating the Avion.

The Editor in Chief devotes a sizable portion of his free time managing the constant day to day process needed to publish an award winning newspaper. The subordinate editors and managers also devote a very large portion of their time to the Avion.

These Editors take the responsibility of their high pressure jobs, yet are paid a token amount for their commitment. The previous editor of the Avion had to step down because his commitment prevented him from supporting himself.

Students employed by the University receive much more per semester, with quite lower responsibilities than an editor or manager of the Avion.

Paid positions on the Avion would free staff members from looking for other means of supporting themselves, therefore devoting more time toward the Newspaper.

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We feel that our responsibilities warrant support from the University so that we can continue to provide an award winning newspaper to an award winning university, Embry-Riddle.



Letters to the Editor

Clean up your Act

To the Editor:

After working at the Riddle library for a year and a half I have come to the following conclusion: The majority of the students at Riddle are very good at making a mess of the library but are unwilling to help keep it clean.

As a student assistant in the library I see students do several things that I find unbelievable. How often do you see magazines lying throughout the library, books stacked 2 feet high on desks after the people using them have left the library, pieces of paper belied up in the desks along with gum wrappers, banana peels, soda cans, etc?

Usually at least once an hour someone has to go through the library and clean-up after everyone. This process can take over an hour and a half and by the time you done it needs to be done again. It's just one big circle.

There are book carts located in

order, but I guess that's too difficult a system for some people because they just leave them at their desks and let someone else clean-up after them. It is really too much of an inconvenience to ask you to put them back where you got them if it only takes a few seconds on your way out and you could bring to you friends that you finally learned how to put things in alphabetical order. Speaking of magazines, the old magazines in boxes in the middle of the library are there for your use, but taking 5 years of magazines and dumping them on your desk, leaving them over and then leaving them for someone else to pick up is just plain rude. I know it's hard to believe but people do that more often than you know.

Another sore spot develops every week when the Avion comes out. People grab a copy, come into the library to read it and then leave it at their desk. Every week we literally pick up hundreds of Avions that people have left. Why not drop it in the trash on your way out? That's

The last problem I would like to address is that of people eating in the library. PLEASE DON'T. The signs on the doors as you enter ask you not to bring food or beverages inside. The reason for this is simple. We have had people spill their drinks on some of our most popular books. This causes the pages to stick together and prevents people from using the book until we can acquire another copy. The minimum replacement cost for most of our books is \$35. This can get very expensive if you have to replace an entire set.

Finally I would like to thank the students that are courteous and put their books on the book carts, their magazines back where they got them and their trash in the trash cans. The staff of the library really appreciates it and we thank you.

John Stevens
Box 5168

Food service blues

lock containing information on your meal plan. The only meal that was not served was Sunday dinner which was their only drawback. With this card the student was allowed 3 meals per day. Once you had entered the card into the electronic counter, one could eat to his heart's content. Granted this latter portion would be difficult to do but there is compensation. Epicure could be less miserly and allow student to substitute side items for other items such as beverages.

Food service blues

To the Editor:

EPICURE-person with fastidious taste especially in food and wine.

Somewhere the food service does not fit this definition. Having attended Texas Tech University in Lubbock, Texas, I've acquired some

knowledge of how a quality food service should be.

First of all, the only redundancy on their menu was steak night every Friday. Very thick steaks with little fat, burnins, and a seafood buffet made up for the repetition. All meals were accompanied by a variety of COOKED vegetables and a FRESH salad bar that wasn't considered an entree.

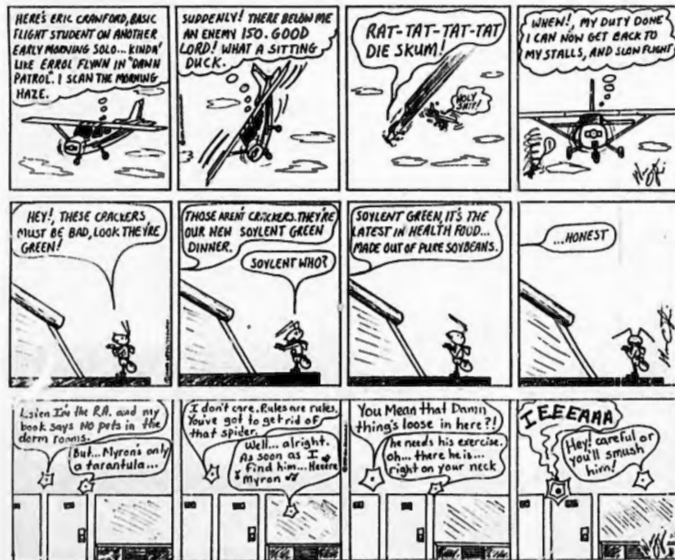
Secondly, for the amount of money that one pays here for a fifteen meal per week plan, students received a card the size of a credit card with a computer strip on the back containing information on your meal plan. The only meal that was not served was Sunday dinner which was their only drawback. With this card the student was allowed 3 meals per day. Once you had entered the card into the electronic counter, one could eat to his heart's content. Granted this latter portion would be difficult to do but there is compensation. Epicure could be less miserly and allow student to substitute side items for other items such as beverages.

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Thirdly, there are many students that have purchased the five meal per week plan which are limited to Monday through Friday use. This is not right. I'm sure some of you folks

Kiyde Morris

Wes Oleszewski



AVION

Funded by the Students of Embry-Riddle
1987 the Avion Newspaper

Editor-in-Chief Paul Novacek	News Editor Mike Osborn
Sports Editor Brian Mosdell	Advertising Manager Lito Doukas
Photography Editor Richard Clarke	Copy Editor Teresa Anderson
Production Manager Chris Legvold	Aeronautics Editor Tom Juliani
Space Technology Editor Clay Zedrow	Business Manager Robert Watt
Secretary Kimberly Storer	

Avion Advisor
Dr. Roger Osterholm

This week's staff: Martin Smith, "Vince" Saldani, Larry Rice, Deva Davis, Kim Bassom, Tom Van Milligan, Jon Osterholm, Todd Westendorp, and Mike Zedrow.

The opinions expressed in the Editorial are those of the majority of the Editorial Board, and do not necessarily represent those of the University or the staff of the Avion, or the members of the student body. Opinions expressed are those of the writer, who is identified.

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 obscene, abusive, or libelous. The writers shall confirm themselves to a single topic. All letters must be accompanied by the signature of the writer. Names may be withheld on request at the discretion of the Editor.

The Avion Editorial Board members are: Paul Novacek, Brian Mosdell, Tom Juliani, Mike Osborn, Teresa Anderson, Richard Clarke, and Clay Zedrow.

The Avion is an Associated Press member newspaper, and subscribes to the Campus News Digest and College Press Service. The Avion is a member of the Columbia Scholastic Press Association, College Media Advisors, and the Associated Collegiate Press.

The Avion is produced by a volunteer, student-journalist staff weekly throughout the academic year and bi-weekly throughout the summer. The Avion is funded through student government fees and advertising revenue.

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Riddle students continue balloon education GUN

By Larry Rice
Staff Reporter

The race was on, and from the ground giant bags of inflating hot air were at every turn during the week-end of October 16. Terry Dillard of Orlando, pilot for the Hobby Box Balloon, and a crew of five including: co-pilot Susan Saraceno, and ERAU engineering students Chip Zadow, Timothy VanHilligan, and Larry Rice placed first among an estimated fifty other balloons in the Brandon Ballroom Festival hosted by the Tampa Tribune.

With winds gusting to 22 mph on Saturday afternoon, the competitors launched only two successful races from the three originally planned for the weekend.

Friday, lots were drawn during registration to determine launch sites with launch bags distributed for the weekend activities. Pilots and their accompanying crew were briefed in the pre-dawn chill on Saturday at the Brandon Fairgrounds. Terry was chosen among the twenty-five balloons to fly the "hare and hound" task. Tim, Larry, and Susan varied in the timing of the inflation of the envelope while Chip crewed with pilot Captain James



Kirk of Raleigh, North Carolina, for the Convergent Navigation Task (CNT).

On Sunday the pilots switched

tasks with Terry having flown the CNT while Chip assisted Jim Kirk in the task as co-pilot for the "hare & hound." Terry's last missed

the mark by forty feet, but his total distance for both days was 10 feet less than the closest balloon. His performance at the weekend was

At 7:30 a.m., the Tampa Tribune's balloon took off as the "hare" heading south towards. Although the wind shift report was given during the mornings briefing, the Hobby Box crew released several to beat balloons while Terry tested the progress of the "hare" bounds' altitude airborne for an accurate on-site wind aloft estimate. A signal from the launch official and the Hobby Box lifted off in pursuit of the "hare."

As the chase crew followed the Hobby Box, they kept an eye on the landing of the "hare." The pilot left an "X" target for the "hounds" to be with their bearings. Terry's bag was the overall winner for this event with a distance of 16 feet and point total of 2004. One other balloon threw closer than Terry, but was disqualified for tossing their burner earlier instead of the regulation handling.

Today's Aviation Homecoming Festival activities will include a hot air balloon display at 12 noon in front of the J.R. Rife Building. The balloon's appearance is being sponsored by the ERAU Alumni Association.

(Continued from page 1)

Under similar questioning, Lt. Col. Mosher explained that anonymity is crucial in accident investigations, and that any such disclosure could seriously hamper the progress of the effort to determine accurate probable cause accidents. He stated, "People would no longer be willing to come forward and tell all they know."

A film produced by General Dynamics was shown at the joint seminar, held at the ERAU on 60 minutes. The film detailed the importance of proper wire harness maintenance "in all electric" systems, such as the F-16.

When asked by Proxmire about the cause of the Harvard accident, Mosher declined comment, saying only that chafing had not been listed as the cause of any F-16 accident, and that commentary on any specific accident "would be inappropriate."

General Dynamics is appealing the Tampa jury award.

According to Avion sources who wish to remain anonymous, Senator Proxmire has a history of "nipping with such projects he doesn't think that much about."

SPORTS

(Continued from page 1)

city intercollegiate athletic program is solicited from the Campus and University Administration. Primary financial support for the program would be through implementation of a \$25 student recreation/athletic fee to be assessed on undergraduate students each semester of attendance. Under administration approval of the basic program the Student Government Association should be informed of the planned fee and their input should be solicited for program development.

- It is recommended that the monies raised through the fee be used for:
 - a. Fund University varsity teams to compete intercollegiate. Criteria for funding of varsity teams would include that the sport team have a recent past history of intercollegiate play and that the sport be recognized by NAIA or NCAA as a sanctioned association team sport.
 - b. Fund sports club activities. Sports clubs that have not met varsity eligibility requirements but that have a team orientation and intercollegiate play as major components would be eligible to receive assistance.
 - c. Fund a director of varsity sports, a secretary, and provide stipends for coaches.
 - d. Fund capital projects to maintain and upgrade campus recreational facilities and equipment.
 - e. Fund a reserve for recreational matching grants and future building needs.

ECONOMIC PRO-FORMA: RECREATION-SPORTS FEE

The fiscal implications of this proposal involve a basic philosophical assumption about the role of varsity athletics at ERAU. This assumption is that: Varsity athletics exist as an enhancement to the Recreation Sports function, and neither operate independent of that function, nor assume any automatic measure of priority over that or any other student development function.

A current analogy would be the recent addition of the M.S.A.E. program to the B.S.A.E. program. The primary purpose in creating the M.S.A.E. was to enhance the quality of the B.S.A.E. program, through the attraction and addition of highly qualified personnel and the development of opportunities for the conduct of sponsored research. This purpose would be achieved not through program isolation, but by the creation of a symbiotic relationship between the two programs based on a sharing of common resources. The philosophical assumption regarding the addition of varsity athletics operates in an identical fashion.

Given this philosophical stance, the purpose of the proposed student fee is not to support varsity athletics in an isolated manner, but instead to enhance the entire recreational sports function. This economic view is consistent with the ERAU's overall philosophy.

The quality of the B.S.A.E. program, through the attraction and addition of highly qualified personnel and the development of opportunities for the conduct of sponsored research. This purpose would be achieved not through program isolation, but by the creation of a symbiotic relationship between the two programs based on a sharing of common resources. The philosophical assumption regarding the addition of varsity athletics operates in an identical fashion.

Given this philosophical stance, the purpose of the proposed student fee is not to support varsity athletics in an isolated manner, but instead to enhance the entire recreational sports function. This economic view is consistent with ERAU's most significant fee structure, the Technical Program Fee (TFP). TFP exists as a supplemental revenue stream, for the purpose of enhancing overall program quality in selected programs. The proposed recreation-sports fee would serve an identical mission, i.e., as a supplemental revenue stream to permit overall program quality enhancement in recognition of increased costs to provide such enhancements - and not as a distinct fee to cover distinct elements within an overall program.

The University does, however, maintain a clear responsibility to the student body to provide the quality enhancements that serve as the basis for the fee. As such, the following pro-forma has been developed to present the initial ideas as how the additional revenue stream might be used to enhance the overall quality of the Recreation Sports student development function. It is emphasized that this pro-forma represents the earliest stages of thinking regarding this subject, and is not intended as a discrete plan to be held up for later evaluation. As the resource of time is added to our decision making process, additional research may be conducted and wider levels of input may be obtained that would permit improvements to the resource allocation process.

PROGRAM SUPPORT INFORMATION

Varsity Teams

It is recommended that teams eligible to receive varsity team funding during the initial phases of program operation meet certain basic varsity criteria. It does not appear rational or practical to open up funding to every team sport that has existed in the past or that could be thought up for the future. Among the criteria recommended would be that the sport team requesting funding have a recent past history of active student participation in intercollegiate contests, and that the sports be recognized as NAIA or NCAA club sports teams which appear eligible under the above constraints are: Baseball, Golf, Lacrosse, Soccer, and Cross Country and Distance Running.

Sports Clubs

It is recommended that a level of funding be provided to sports clubs which compete intercollegiate or on an extramural basis, but that do not meet other varsity criteria. Criteria would also be established to allow sports clubs a petition to move into the varsity category if they became varsity eligible.

The benefits of funding a sports club program in-

and opportunities on the campus in the benefit of the general student body. Initial responsibilities of the Director of Varsity Sports would, in part, include:

1. Formation of a Sports Council consisting, in part of student as well as faculty adviser members. Council members would make recommendations on operational aspects of the program.
2. Providing administrative support and supervision to teams and coaches.
3. Overseeing funding allocations.
4. Investigating feasibility and practicality for future participation as members of NAIA or NCAA.
5. Supporting and spearheading the use of sports on campus and in the community as a building block for "University Spirit."

Funding Considerations

As noted in the Economic Pro-Forma section of this report, a fee assessment of \$25.00 would permit funding of the varsity and sports clubs programs without causing a heavy impact on other University funds. As further noted in the Pro-Forma, the planned expenditures detail in an early phase of development and will be open for future adjustments. Under the plan in its present form, the revenues generated from the fee would be used in the following manner:

Funding Considerations

As noted in the Economic Pro-Forma section of this report, a fee assessment of \$25.00 would permit funding of the varsity and sports clubs programs without causing a heavy impact on other University funds. As further noted in the Pro-Forma, the planned expenditures detail in an early phase of development and will be open for future adjustments. Under the plan in its present form, the revenues generated from the fee would be used in the following manner:

1. Salaries and benefits for a director of varsity sports and secretary. It would be desirable to bring these people aboard in the Spring of 1988 to plan for operationalizing funding allocations in the Fall of 1988. Other personnel costs would include monies for coaching stipends and for student wages.
2. Operational costs for quality run varsity and club team sports would include allowances for travel, field reservations, insurance, certified referees, uniforms, and equipment.
3. Costs for space use and general overhead consideration.
4. Designation of capital monies for renewal and replacement of recreational equipment and facilities. The facilities and equipment would be designated for use, when feasible, for both the sports teams and a general student body.
5. A percentage set aside to be used in the future for building a field house. Monies set aside could be used as a base for matching grants obtained with the help of University relations or for helping to secure building loans.

PLAN IMPLEMENTATION

1. Obtain concurrence and support of Campus and University administrators. Advise Student Government Association of plan and solicit input. Submit plan to the Fees Committee for their review.
2. Obtain full-time director of varsity sports who will have primary responsibility to implement and oversee the Campus funded sports program. Begin search in 1987 and fill position in Spring of 1988.
3. Formation of a sports council under the a/direction of the recreation and varsity sports directors to assist in planning the operation aspects of the program. It is envisioned that the sports council would include students and faculty advisers. Policies and guidelines for program operations would be in place for the Fall of 1988.
4. Assessment of a student athletic fee would begin in the Fall of 1988.
5. Student Affairs administrators would monitor the program's early stages of development closely and request input and support from other University personnel as needed.

Unsafe banner towed at Ormond

By Todd Wessendorf
Avion Staff Reporter

Recently the city of Ormond Beach became concerned with the safety of banner towing and passed an ordinance prohibiting banner towing at the city airport. Commissioners felt that the banner towing created traffic at the airport made banner towing unsafe.

The Federal Aviation Administration office in Orlando said that the airport cannot prohibit banner towing. Therefore, last week, the city took the issue to the Southern Regional office in Atlanta.

The main problem that the FAA had with the pilots of the banner towing aircraft was that they were not high enough in their flying. Some pilots had no set heading and/or refused to use their radar to communicate with the airport about their flight route.

Although there has been difficulty in the past, the FAA has taken care of the situation and things appear to be improving.

New 'gee-whiz' gadgets assists pilots

By Tom Joyce
American Forces Info. Service

One of the more recent gee-whiz technologies that has shown up in aircraft is the Super Cockpit, a system that talks to you. Some people become angry when a car talks to them to "buckle up," because they can't talk back. So many people disconnect the distraction.

However, because of research that is expected to revolutionize fighter aircraft cockpits, the day may come when you can talk to your car and have it do exactly what you tell it to. That technology is being developed for the Super Cockpit, a program Dr. Thomas A. Furness III said will revolutionize the way human beings interact with machines.

Furness, of the Armstrong Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, manages the program.

"The amount of information flowing into the cockpit of today is immense," said Furness. "Existing cockpits constrain the transfer of that information from the machine to the human. Cockpits displays act as two dimensional world in which

the pilot must operate."

Furness uses the control stick on the F-15 fighter as an example. "There are nine switches on it," he said. "And some of those switches have six different functions. One can imagine how difficult it is for a pilot to remember what each one does and get it right by touch alone."

Of course, pilots do remember and use the touch functions every day. Furness, however, wants the cockpits of the future to present these things as simply as possible to all pilots.

But the technologies that will run the system aren't simple. The Super Cockpit will actually be a helmet worn by the pilot which is connected to different sensors inside and outside the aircraft. The pilot would "look-up" his helmet into the aircraft before he would fly. He wouldn't be able to see what he's actually going on outside the cockpit. The Super Cockpit display is a see through display. The pilot will be able to see the real world outside the cockpit when the pilot must fly at night, but whether or where he must be totally encapsulated, the information in the orbaling the earth. Said Furness, will provide a pilot with a

view of the outside world as might be seen from a satellite orbiting the earth. This satellite system will provide pilots many different options for completing their missions.

"The biggest advantage of the Super Cockpit is its ease of use," said Furness. "Today, if you want to change some avionics in a fighter, you have to take out the guts of the cockpit and change the wiring. You need only to change the software."

"Since the Super Cockpit is a system that the pilot wears, it's extremely portable," said Furness. "It can also train with the system and actually fly his missions be for ever gets in the aircraft. This way, he can make his changes before he gets into the cockpit."

The Super Cockpit is also sensitive to the pilot's condition. "Systems today are geared towards the pilot being aware of the system and not the system itself," said Furness. "If a pilot becomes unconscious, it will be detected and the system will take control of the aircraft."

Furness said he expects the Super Cockpit to be deployed by the year 2000, but that none of the technology will occur before that. "The big pieces have been tested," he said. "We know it can be done."

Community Calendar

November

- 1-31 Daytona Beach Jet Alot - 255-0222
- 1-31 Exhibits Living In A Bathing Suit, by French Photographers - Museum of Arts and Sciences - 255-0285
- 1-21 Master Artists In Residence, Past and Fiction - Atlantic Center for the Arts - 427-6975
- 1-21 Exhibit: Theodora Greene, Mixed Media - The Casements - 673-4070
- 5-15 Volusia County Fair - Volusia County Fair Grounds
- 6-30 Exhibits: Mixtures, Mixed Media and Ceramic Sculpture - Ormond Beach Memorial Art Gallery
- 7 Walkathon for Challenger Memorial Fund - Tomoka State Park - 9 a.m.
- 7-8 Country Jambores - Picnic Settlement for the Creative Arts - 9 a.m.-5 p.m. - 749-2959
- 13-15 Pilot Club Antique Show - Ocean Center - 677-5579
- 13-15 Ballet de Monte Carlo - Peabody Auditorium - 8 p.m. - 255-0321
- 15 Friend's Carving Club Show (Wood Carving) - 3738 Halifax Dr., Port Orange - 2-5 p.m. - 367-3825

Riddle Student Media preview Less Than Zero

By Teresa Anderson
Copy Editor

While attending the ACP/CMA convention in St. Louis, we attended a press showing of *Less Than Zero*. This movie starred Andrew McCarthy (St. Elmo's Fire, Pretty in Pink), Jami Gertz (Quicksilver, Crossroads) and Robert Downey, Jr. (Back to School, Weird Science). Although these actors have done fine work in good movies in the past, *Less Than Zero* would rate just that, less than zero.

These three portrayed recent high school graduates, which they all were a little too old to be credible. Clay Easton, played by McCarthy, left California to attend college while Blair Kennedy (Gertz), his girlfriend, chickened out and Julian Wells (Downey) got a chance to start his own recording company.

Clay came home for Christmas break to find out that his world had changed. Blair was now involved with his best friend Julian. She tried to persuade Clay to try to talk to Julian who was hopelessly addicted to crack cocaine. Throughout the movie, Clay tried to get his girlfriend back and get his friend off crack.

I found this movie rather dull. It took one third of the movie before the story revealed itself. I think this movie was a step up from the drug awareness films common in education but not quite up to the standards

of entertainment. Unfortunately the story did not develop any further than a "feature length anti-crack commercial," as Dave Rovka, Avion Staff Reporter, put it. Save your money and wait for it to come on HBO or better yet, network TV.

By Dave Rovka
Staff Reporter

The movie *Less Than Zero* was very interesting and thought provoking; what it lacked in entertainment value it gained in education.

The dominant characters were three recent high school graduates who were unusually worldly for their age, two of whom were addicted to drugs. The plot was simply one of the characters, Clay played by McCarthy, came home from college for Christmas and found his best friend Julian played by Downey had become a helpless crack addict. The third of the trio, Blair played by Gertz, convinced Clay to help Julian. I won't tell you how the movie ended because you will figure that out after the first few minutes.

The movie gives a strong statement about the use of crack and the horrors of the drug industry. It conveyed up many bad memories of friends whose lives were ruined because of drug abuse. This isn't the best movie to see for a "fun date" but it's on TV one afternoon definitely see it.



(Left to right) Andrew McCarthy, Robert Downey and Jami Gertz star in "Less Than Zero," from a screenplay Harley Peyton has adapted from Bret Easton Ellis' bestselling novel.

By Chris Loyd
Production Manager

Although drug addiction is not necessarily an ideal subject for a teenage movie, *Less Than Zero* manages the plot with definitive control. Some critics may suggest that it spoils messages to the audience concerning anti-drug use; however, the message is only a background for the story.

It concerns the problems of upper-class teens after high-school, when the trio goes their separate ways to fulfill their goals in life. Clay goes off to college while Julian and Blair remain behind and, in the fast-paced Beverly Hills, become addicted to drugs.

Unfortunately, drugs are the problem, and few people like being told "just say no" at every turn. The pre-movie commercial was also an anti-crack advertisement, part of the new national campaign which uses movie stars to tell you "the thrill can kill," which added to the negative feelings.

However, the movie is capable of fulfilling any expectations of a powerful, moving film in that it creates an atmosphere of addiction. The problems of Julian in obtaining and paying for the drugs overflow to Blair who comforts him when he's down and finally to Clay when he returns home for Christmas. Clay fights both his friends as well as their enemies in the struggle to remove Julian from his problems.

The movie is fast-paced without having numerous fights or chase scenes. It gives the impression of a progressive film, because of the relationships between the characters, as well as the overall production. Less than Zero manages to convey a story of the use without preaching or denouncing drug addiction. It is alive with feeling and action without going overboard on white scenes or relationships. It is a movie to see with an open mind, and one to enjoy with empathetic thoughts.

LETTERS

(Continued from page 2)
Crisis Continues

To the Editor:

It seems strange that after months of construction, torn-up campus grounds, and thousands of student dollars later that parking crisis on campus goes unmentioned. The recent renovation of the parking system brings no relief to the headache of commuting students.

I belong to the vast group of aggravated students who must enter daily "parking lot holding patterns" for mid-morning and afternoon classes. What is most appalling is the fact that the Administration is using this crisis to generate revenue for the University. By revenue, I am referring to the hundreds of pink tickets that decorate the windshields of students' cars daily.

During the peak hours (about 8 a.m.-11 a.m.), I drive by and notice countless vacant handicapped, ride-sharing, faculty/staff, and University vehicle spots, not to mention the over-abundance of visitor parking. These unnecessary vacancies are literally "invitations" to parking violations for the student who is perhaps running late, having a test,

or risking fuel starvation from excessive circling and searching.

I recently had my window decorated for occupying one of the vacant visitor parking spots at the ASSE building. What made me even more outraged was the little "reminder" that there were spots available north of the Catalina lot. Why should I, being fortunate enough to have a car, risk my life crossing four lanes of 40 mph + traffic to attend class, at / \$51.7?

I live off campus about seven minutes from school. However, I must leave my apartment 30-40 minutes early in order to find a "legal" parking space. There are days where I am tempted to exit the lot and drive home because of the deficiency. What I ask is this: Doesn't the University make enough money from students already? Aren't the funds raised from the sale of parking decals enough? The delivery of these violations when there is obviously inadequate parking is a flagrant miscarriage of justice. ERAU should either do something to correct the inadequate parking, or Bob Walters should put down his pen.

Larry Cardella
Box 1328

AVION

By David Rovka
Staff Correspondent

Behind the scenes of the *Avion* there is much that goes on that people don't know about. Many hours of hard work go into each copy before it can hit the stands.

The beginning of the paper starts off with the ordering of equipment and supplies. In addition to the permanent equipment such as computers and light tables there are many other supplies ranging from tape, to paper, to non-photo-blue pens.

Next comes the hiring of a staff. Considering that Embury Riddle does not even have a journalism class it is very hard to find students who can write; therefore many of the stories

are done by those who are just beginning to write.

The actual writing of the stories is probably the most glamorous of the jobs of the news paper, but writing is only a small part of the work which consists of mostly running around campus and chasing down administrators for any type of information.

Once the stories are typed into the computer, the Copy Editor reads through the story and cleans up any mistakes. After the Copy Editor is finished with the story it goes to the News Editor, who decides whether or not it will be printed and when. Contrary to popular belief the stories are not the largest part of the newspaper. Advertising is not only the thing that makes production of

the newspaper possible, but actually comprises a majority of the space in the paper.

Once the ads are sold and the stories are all written, the next step is the Production Manager, who has to lay the paper out. This is probably the most time consuming part of the paper, and it has to be lined up perfectly and every line has to be perfectly straight.

Once the paper is laid out, it only needs to be photographed. The negative is used to burn a plate which is used to do the actual printing.

After the *Avion* is printed, the work is not over. The paper has to be delivered, the bills have to be paid and homework still has to be done.

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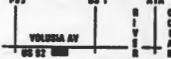
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Ames' NASA tests comet penetrator

National Aeronautics
and Space Administration

The prototype of a comet probe, an integral part of NASA's Comet Rendezvous Asteroid Flyby (CRAF) mission, has been tested successfully at the Sandia National Laboratory, Albuquerque, N.M. The tests resulted in really astounding success, said Arizona University scientist William V. Boynton.

Boynton, charged with developing the comet penetrator-lander at the university's Lunar and Planetary Laboratory, stated that Arizona aluminum prototype of the planned 3-foot-long titanium probe proved it could penetrate rock-hard ice, even when impacting at the worst possible angles.

"These are worst case cases, worse than we expect we'll really have to encounter," Boynton said. "It was not that we thought we would come close to missing the comet and hitting it from the side at an oblique angle. It was more that we do not know its surface topography. There might be hills and valleys. We could hit the comet dead

center, but it might bounce off un-even terrain."

The comet penetrator is an instrument-bearing missile designed to pierce a comet's surface to a depth of approximately 3 feet or more. Scientists at NASA's Ames Research Center, Mountain View, Calif., originally suggested a penetrator to carry instruments to a comet's nucleus. Boynton believed he had a successful design for such a probe and that it should carry some extra scientific instruments. These instruments would include a calorimeter to measure heat from melting ice and a gas analyzer to test the comet's sublimating gases.

This combination of instruments would address many of the highest priority science objectives of the CRAF mission. These objectives include determining the elemental composition of the nucleus, the cosmochemical form of the ice and the molecular nature of the evolved gases.

Knowing the form of ice is very important in understanding where in the galaxy the comet material was made. An important part of this mission is to understand if the ice was made in our own solar system,

as it was being formed, or if they formed in the region between stars as interstellar snowflakes.

The penetrator's present design uses a small tooth which sticks out the probe's side and scrapes off a sample as the projectile pierces the comet at 90 miles per hour. The sample is collected in a thumb-sized laboratory, housed in a controlled container and analyzed, an experiment that mimics the process of the sun's heating of cometary ice. In 1985, Boynton demonstrated his sample collection technique by dropping an early prototype penetrator 150 feet off the campus football stadium into 55 gallon drums of ice.

His proposed comet penetrator package was selected a year ago for the CRAF mission, with nearly \$1-million in first-year funding. The comet penetrator part of CRAF, originally considered an option, is clearly the most exciting aspect of this mission," said William Quaide, chief scientist of NASA's Solar System Exploration Division, Washington, D.C.

When all results from the current tests are in, the investigating team

will design further experiments. There might be further hard-ice tests using models more accurate to Boynton's ideal design, including tests of spinning probes. The actual CRAF penetrator or penetrators, if NASA decides to put two probes in the payload will spin like a gyroscope when its rockets fire it toward the comet. The spin stabilizes the probe's flight. Other tests might involve firing the prototype at very weak ice. "We really don't know how tough comets will be, and we don't want to run the risk of going right in and coming out the other side," said Upton.

The unmanned CRAF spacecraft, carrying a payload of imaging, visual-infrared mapping, telecommunications and other instruments, is scheduled for launch in February 1993. It will be fired into an orbit around the sun so as to fly in close formation with a comet for 3 years. CRAF will collect data during the comet's quiet phase in the cold outer solar system and later during the comet's active phase in the sun-warmed inner solar system. The spacecraft also will make close flybys of one or two asteroids on its way to the comet encounter.

On this day in Aviation History

1910 -- E.T. Willows of Great Britain makes the first alarship flight from England to France in his *Willows III*.

1934 -- Sir Charles Kingsford Smith and Capt. P.G. Taylor accomplish the first flight from Australia to the United States. They departed Oct. 22 from Brisbane, Queensland, flying a Lockheed Albatross. The new via Fiji and Hawaii, finally landing in Oakland, California.

1960 -- The U.S. Air Force discloses for the first time its use of the Boeing C-97 as an airborne tactical command post.

1970 -- The Concorde prototype 001 reaches its design cruise speed of Mach 2 for the first time. 002 follows nine days later.

1981 -- The Space Shuttle Columbia's second flight is aborted 31 seconds before takeoff due to high oil pressures in two of the three APU's that operate the craft's hydraulic systems. Clogged oil filters were found in both and replaced. The re-scheduled launch took place Nov. 12.

Space Command is slow

Associated Press

COLORADO SPRINGS, Colo. The new commander of the Air Force Space Command says the military community was slow to move from research and development to operational uses of space but has made big steps to do so in the past five years.

"In the '60s space was an experiment," Lt. Gen. Donald J. Kutyna said on Thursday. "In the '70s it progressed to an exploration, both civil and military. Today, in the '80s and the future '90s, it's full-scale operational deployment."

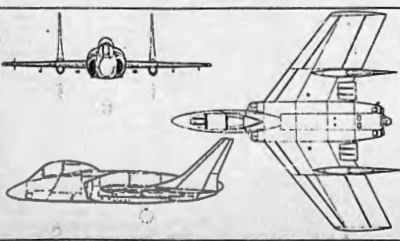
Kutyna, 53, assumed his new job Thursday during a change of command ceremony at Peterson Air Force Base. He replaces Maj. Gen.

Maurice Padden, who retired this week after nearly 35 years in the Air Force.

The creation of the Air Force Space Command as an operational command was key to integrating space systems into combat capabilities, Kutyna said. That move ended 25 years of treating space systems as research and development programs.

Air Force Chief of Staff Gen. Larry D. Welch also spoke briefly about the growing importance of the Air Force Space Command in overall combat capabilities. In just five years, the command has helped other combat commanders recognize that many things such as communications and navigation can be done from space better than anywhere else.

Aircraft identifier



The first exact answer presented to the Avion of the identity of this aircraft will WIN A FREE SUB SANDWICH from SORRENTO DELI. Present your entry, with name and box #, to a staffmember in the Avion office, have them validate it with the date and time, and place it in the AERONAUTICA box. Deadline is midnight Tuesday. Previous winners, the Avion staff, and their families are not eligible.

Last week's winner was Brian Whiting, who was the first to correctly identify the Cessna Model 620.

The 620 was an 18 passenger aircraft intended for the business/executive market. It was powered by four Continental GSO-526's and made its first flight on August 11, 1956.

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ERAU golfers to be tested

Golf Club Press Release

The Embury-Riddle golf team will face its biggest challenge of the fall season on November 6 and 7, when it competes in the Florida State Intercollegiate Championship. Coming off two very disappointing performances in the two tournaments played thus far this fall, this will be an opportunity for the Eagles to make amends.

"In the first two tournaments, our veteran players have failed to produce," coach Dick Bryant said in evaluating team performance in the two tournaments to date. "We realized we were up against a very tough field in our first tournament at Indigo Lakes last month, but in our own tournament at Palm Coast two weeks ago, we should have made a

much better showing", Bryant continued. The state championship, to be played right here in Daytona Beach at the Pelican Bay golf and country club, will have a large field of twenty teams, representing almost every four year college and university from Florida that has a golf team. One notable exception will be the University of Florida, which for the second time in the last five years has elected not to participate. Among the larger schools who will play are Florida State, Miami, Stetson, Jacksonville University and last year's NCAA Division II National champions, The University of Tampa. The Spartans from Tampa have all of last year's players back except one, and along with Florida State, last year's State Champions, must be considered favorites in this year's com-

petition. Anyone interested in watching many of the country's top College Golfers is welcome to attend this tournament. Play will begin at 7 a.m. on both days and last into the late afternoon as teams will play 27 holes each day, with the state championship being crowned late Saturday afternoon. This will be the last year this tournament will be played at Pelican Bay. For the next three years, it will be held at the Matanzas Woods golf club, one of the outstanding new courses in the state, located in Palm Coast, Florida. The Eagle golf team will finish the fall season in Orlando, playing in the citrus bowl tournament sponsored by Rollins College at Hunters Creek golf club, on November 21 thru 24.

What's Happening

SPORTS EDITOR . . . The Avion is looking for someone to assume the role of Sports Editor. The position will be vacated at the end of this Fall term. Responsibilities entail coverage and layout of intercollegiate, intramural, and professional sporting events. The job demands a big time commitment, but has rewarding benefits as well. Contact Brian in the Avion office.

SOCCER CLINIC . . . The weekend of November 21, the Embury-Riddle Eagles will be welcoming junior players from the area for a soccer clinic here at ERAU. The clinic was originally scheduled for the weekend of Nov. 7 but moved back because of our homecoming match. Instruction will be broken into age and skill levels. Beginning, novice, and advanced players from ages 5 and up can receive a full day of soccer instruction, afternoon swimming, and barbecue. The registration fee is \$10.00. Contact Dean Brown's office.

GOLF TOURNAMENT . . . On the weekend of Nov. 6 & 7, The Eagles will compete in the Florida State Intercollegiate Championship. Many top schools will be competing at Pelican Bay G.C. Spectators are most welcome. Contact Dick Bryant.

BEACHBALL WEEK 4 . . . Saturday at noon, come out and catch some sun. Anyone interested in playing volleyball down on the beach should just show up ready to play. We meet on the beach in front of the Ocean Deck.

Riddle cyclist takes first place

By Brian Mossell
Sports Editor

Last week on Daytona Beach, ERAU's Jeff Moore won the bicycle racing competition in the National Intercollegiate Sports Festival. The festival began its competitive during Spring Break with the finals being held in October.

Jeff is currently an Aviation Maintenance Management, plans to graduate in April 1988, and might pursue a masters degree. He races for the Quaker/Bike Tech team of Philadelphia which is close to his hometown Worcester, PA. Since starting cycling eight years ago at the age of sixteen, Jeff has risen to the top of his class attaining the national championship in cycle racing. Jeff races mainly on the east coast of the country and also coaches here in Daytona.



Administration abuses senior class

President Tallman scouted by N.Y. Mets, Yankees

By Brian Mossell
Senior Class President

Last Saturday an enjoyable fund raiser for the Senior Class turned into a gross misuse of power by ERAU's administrators. The school's faculty and administration administered a whipping on the seniors in softball. The big boys (and girls) showed the kids who's in charge around here by way of an 8-3 punishing.

The administration pulled away early when Steve Whinnier homered to right in the first inning. The senior's had trouble mustering any offense with Dr. "KO" Osterholm on the mound for the year, how did he know we were going to get beaten up?"

Umpire Dean Rocket came under scrutiny after removing all

tonicals is between innings for years!"

Big hitters Ken "Babe" Tallman, Bob "Boom Boom" Brown, Bob "a walk's as good as a hit" Oskay, Dan "get off my cloud" Kelly, and captain Wayne "the fat" Bottomley kept the seniors scrambling in the field for seven innings. When asked about the talent on his senior class side, captain Mookie Modell said, "What talent? The best thing I've seen from this squad is V.P. Oskay's summersaults in the outfield. Apart from that, secretary/team manager Stephanie Cimillo showed intelligence by staying on the bench as did catcher Kent James by showing up in hockey gear, how did he know we were going to get beaten up?"

Umpire Dean Rocket came under scrutiny after removing all

corked bats and pine tar from the seniors dugout.

The seniors manager Cimillo was disgusted with the game's outcome. In reference to Chris "don't call me Chris" Frey, Cimillo said, "he's on the trading block." The team is also considering trading all council members who failed to show up to Anheuser Busch for Spuds MacKenzie.

All joking aside, we all had a lot of fun. The Senior Class sincerely appreciates the Administration and Faculty taking time to help us out. Thank you to all who participated and contributed to the Senior Class. Not many universities have generous, good natured, and fun administrators/faculty like Embury-Riddle's. Thank you again, your all great sports!

BEACHBALL WEEK 4 . . . Saturday at noon, come out and catch some sun. Anyone interested in playing volleyball down on the beach should just show up ready to play. We meet on the beach in front of the Ocean Deck.

Jeff faces mainly on the east coast of the country and also coaches here in Daytona.

When questioned about the emory board found on his person, Doc responded, "I've been 'filing my

year, how did he know we were going to get beaten up?"

Umpire Dean Rocket came under scrutiny after removing all

stuffed and fun administrators/faculty like Embury-Riddle's. Thank you again, your all great sports!

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DRILL TEAM

By Heidi Stewart
Assistant NCOIC

Many people ask, what exactly is the drill team, and what does it do. It is a professional organization made up of male and female Air Force ROTC cadets who dedicate themselves to precision and excellence in marching. They perform for school functions as well as events in the community such as the Bethune Cookman homecoming parade, and the Senior Olympics just to name a couple.

Each drill team member spends an average of 4-6 hours a week practicing

maneuvers and routines. It is a lot of hard work, and at times personal sacrifices must be made, but it is well worth the time and effort.

It is not all work though. There are times when practices aren't so demanding, and everyone can have some fun. We also have car washes so we can earn some money as well as have a good time.

If this sounds like something you'd like to get involved in, and you are in AFROTC, come to the tryouts at the beginning of next semester. You won't be sorry you did!

FLIGHT TEAM

By J.P. Walsh
Public Relations Officer

With less than two weeks to go to the 1988 National Intercollegiate Flight Association Region IX Safety Conference at Auburn University, the Championship ERAU Precision Flight Demonstration Team is in high gear and breathing fire, ready to prove to all schools in the Southeast that Riddle has the Right Stuff! Coaches Mike Wiggins, John Strzochuk, Stan Rowe, and Mason Aldrich are working harder than ever training our platoon of pilots perfect patterns, picky preflight, slick simulator sessions, dead-eye drops, and no-nonsense navigation. Coach Wiggins is pleased with the team's progress, and feels everyone is progressing as well or better than we were the same time last year.

November 11 is zero hour, the opening day of competition at Auburn-Opelika field, and the whole story will be history by 8:00 pm. November 14, The flight team hopes to take a major share of the glory and we thank every soul on campus for their support!

In addition to competition events

practices, the flight team has been hard at work with several projects which benefit the public. Team members have been busy collecting donations to the astronaut memorial foundation, an organization whose purpose is to construct a monument at Kennedy Space Center to remember all astronauts who have died while performing their duties. The team has also collected a fair share of canned goods which should benefit Father Morris' canned food drive to benefit those who are less fortunate than ourselves.

Of particular interest to the Embry-Riddle student body, the flight team will be sponsoring two presentations by Richard O. Riemer, M.D., on Aeromedical Certification of Airmen, Self induced stress, orthorexia, and orthorexia, and other topics of interest to aviators. The presentations will be on Sunday, November 5 at 8:30 pm in the U.C., and Friday, Nov. 6 at 1:30 pm, in Room W306. Plan to see this, you'll learn lots.

For all you model maniacs: The second annual Embry-Riddle Model Airplane contest will be held in Spruance Hall on Friday, Nov. 6.

COUNCIL

By Frank Charles
I.F.C. Correspondent

Last Wednesday's meeting was called to order at 7:30 p.m. President Rob Wescherbe opened the meeting with thanks and congratulations to all, for their participation in Greek Week '87. Special congratulations were extended to Delta Chi for winning Greek Week and Theta Phi Alpha for receiving the spirit award. Fraternity reports as follow were brief due to everyone's involvement with Greek Week.

Theta Phi Alpha was happy to have won the spirit award and announced their plans for a spaghetti

dinner and a social with Sigma Pi. Sigma Phi Delta mentioned what a great time they had working with Alpha Eta Rho in sponsoring the Toga Party. They also announced their loss of yet another football game.

Alpha Eta Rho stated how well they thought the toga party went and hoped everyone had a great time. AHP also mentioned they will have a Halloween costume party at their house (1400 post weekend) and all are invited. AHP has also won their fifth football game a last Sunday against Sigma Pi, they are currently undefeated 5-0.

Sigma Chi mentioned beating Delta Chi in football and stated their

intention of having a Halloween party.

Lambda Chi Alpha said they had a great time at the toga party. They also plan on handing out candy to children in the hospital.

Delta Chi mentioned that they too will be having a Halloween party Saturday.

And finally Sigma Pi announced their loss the AHP in football. They're planning on a Halloween party and scavenger hunt.

In old business, Vice President, Sean Quinn's proposal to increase fraternity fines to a maximum of \$200 depending on the infraction as well as a more stringent regulation

over rush week events came to a vote. Sigma Pi stated their disapproval to a motion in Sean's proposal which would allow IFC to regulate time spent on fraternal bids. The motion was amended and the proposal passed.

There was no new business discussed. In conclusion, there the following announcements: There will be a Halloween Dance at the Presbody Auditorium. Embry-Riddle's selection Homecoming Festival will run from Nov. 4-7. There will be many events taking place, we'd like to see a lot of support from all the Greek during these events.

ΣΧ

By Eric P. Hockman
Sigma Chi Chapter Editor

Sigma Chi may have placed only fourth in the Greek Week Games overall, but you can't help but admire the comeback attempt that was made from Thursday, October 22, to Saturday, October 24. From a three way tie for third place, the Sigs "pulled-off" Delta Chi, and Lambda Chi Alpha, to take third place all alone in the Tug of War. The Sigs took Second in the swim event by a clear margin of twenty seconds, and first place in the volleyball contest. From an overall standing of sixth

place, Sigma Chi went on to gain fourth place by Saturday afternoon.

Delta Chi may have won Greek Week, but Sigma Chi beat them in Intramural Football competition the following Sunday. The Blue and Gold shut-out Delta Chi 6-0. The all new defensive line, currently rated sixth in its league, was simply outstanding. The offensive charge, led by William Ulin, was more than capable of moving the ball against Delta Chi's defense. With a team like this, the Sigs are sure to appear in the final championships for football.

Equally outstanding was the volleyball team, who won their second competition match on Wednesday, October 28. They will play again on Wednesday November 4, and the team hopes for a good cheering section. Sigma Chi was unstoppable in Greek Week, and they will be unstoppable in the volleyball Championships. The Chapter thanks Brother Eric Zimmerman for all his efforts to get the intramural teams going.

The Halloween party on October 31st was a complete success, and was only improved by the presence of the Phi Mu sorority from Stetson University. The Phi Mu's are a frequent visitors to the house, and are always welcome.

AFROTC

By Eugene DePaolo C/ILT,
AFROTC Public Affairs Staff

The competition is building in the "Warrior of the Semester" program. What is a "Warrior of the Semester"? What is Project Warrior? How does it benefit AFROTC and the Air Force? C/Capt Pope, Chief Deputy of Operations and Training at Detachment 157 gives

answers easy for all to understand; "Project Warrior is a tool which motivates Air Force personnel to learn facts on Air Force history and quotes from great leaders. It also enhances our on-mail appreciation for where we are, where we have come from, and where we are going."

The Warrior of the Semester program is open to all first and second

year cadets who have opportunity to accumulate points based upon: Educational endeavors above normal ROTC class time, Physical fitness activities, and participation in extra curricular life model contests. The winner receives a ribbon and a plaque; but more importantly, this cadet receives recognition no doubt coveted from the AFROTC instructors.

The Air Force World wide is sponsoring the "Warrior Spirit" to its members. This endorsement and appreciation for the military will begin to motivate all levels of the military and establish "Espirit De Corps." Since the program began, there is a greater awareness and desire to serve this country in a uniform.

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ARMY

By Marie Grimmer
Col. Maj. Army ROTC

The Association of the United States Army is one of the dynamic groups that Army ROTC Cadets have the opportunity to join. AUSA is a national organization that supports the interests of the Army.

Col. Sgt. Jack Wain, President of AUSA at ERAU, describes the mission of AUSA as "to help the soldier and help the community that he serves. That is the main purpose of the AUSA."

The soldier in today's Army is a complex human being and has the same problems as any civilian plus the added demands of service in the military. Decent wages, housing, and equipment are all needed to keep up the morale of the soldier. AUSA has become the main driving force for increases in wages and weapons procurement.

The soldier, especially the citizen soldier, Reserve and National Guard, must keep good relations with the people he/she is expected to defend. It is another of AUSA's duties to improve soldier/community relations and thereby promoting trust in the Army and its leaders.

Recently another member and past president, Col. Maj. Marie Grimmer attended the AUSA National Convention in Washington D.C. Col. Grimmer recounts the experience: "On October 11th through 14th I attended the AUSA Annual Meeting in Washington D.C. The trip was made possible by the Sunshine Chapter of the

AUSA. I departed from Orlando International Airport on an Air National Guard C-131 (Rockwell Sabreliner) with other ROTC Cadets from Florida schools. We arrived in Washington and checked in at the Holiday Inn and registered for the convention. Monday morning we woke early so we could see the many Army and industry exhibits at the Sheraton Washington before the ROTC Luncheon that afternoon. The luncheon was one of the many high points of the trip. The Army Joral group sang and Maj. Gen. Wagner, the 1st ROTC Region Commander, spoke. After the luncheon we had time to do some sight-seeing. I went to the Air and Space Museum and got lost on the Metro.

Tuesday morning began with the ROTC workshop. During the workshop I met and talked with the 3rd ROTC Region Commander Gen. Hargrove. She is the most dynamic leader I have ever met. Also at the workshop we met and exchanged ideas with other cadets from all over the country. After the workshop the cadets toured the Pentagon. The Pentagon was fascinating but the long hike from end to end (our tour guide got lost) will not be easily forgotten.

Tuesday night we went to the Florida VIP reception which was another highlight of the trip. The reception was held in the Blue Room at the Omni Shoreham and only the finest food, drink, and music were provided. I met and talked with many of Florida's industry and military leaders. The four cadets from North Florida presented the colors dressed as the Old Guard. After the VIP Reception the party continued in the many hospitality rooms of the Sheraton Washington. Various

AUSA Chapters from around the world sent gifts to the host and decorated them in their themes. The AUSA chapter in Europe had a German room with German Biele, Gerni, Braun, and a second floor player. Some of the other rooms included the Alaska room, Ft. Bragg, and Ft. Benning rooms. We stayed until the rooms closed and got back to the hotel much too late for the 0700 wake up call the next day.

Wednesday brought a long bus ride to Andrews AFB and an even longer flight home. But it was a small price to pay for the most beneficial as well as the most enjoyable trip I have ever been on. I will remember the trip for a long time.

Friday October 30th marked the first Color Guard competition for the three Color Guard Squads in Eagle Battalion. The competition consisted of a personnel inspection, and a freestyle routine of maneuvers that was worked up by each individual squad.

Competition was intense as each squad performed excellently in the rated categories of Military Bearing, Creativity and Timing. As with any competition, unfortunately, there can be only one winner and it was the 3rd squad led by Col. Lavigna that prevailed.

The squad was rated especially highly on the creativity and originality of their routine. Other squad members included Cadets Sam Swenson, Troy Self, Cheryl Bond, Anne Higgins and Peter Hodges. Presenting the Colors is an extreme responsibility that only the most dedicated Cadets can assume. All three squads displayed the qualities needed to execute this responsibility in an outstanding manner. Good job folks!



Winners...
club photo by Gus Waterhouse
Army ROTC Cadets Lavigna, Swenson, Self, Bond, Higgins and Hodges celebrate after winning the recent Army ROTC Color Guard competition.

WHEN I FIRST CAME TO THE AVION I WAS ONLY A CADET...JUST SIMPLE LINES ON PAPER. TODAY...I'M STILL SIMPLE LINES ON PAPER. BUT THIS DOESN'T MEAN THIS HAS TO HAPPEN TO YOU...WHO KNOWS?

THE AVION... JOIN US... WHO KNOWS?



FELLOWSHIP

Christian Fellowship Club

By James "Murf" Hyde
Fellowship Club President

Greetings! November is here! And we at Christian Fellowship are looking forward to another exciting month ahead! Yes, "exciting" kind of a strange word when most people think that being a Christian is "boring." Hey, not if you know the real Jesus, who is the way to God through the forgiveness of sins. As the Bible says, "May the God of

hope fill you with all joy and peace as you trust in him, so that you may overflow with hope by the power of the Holy Spirit." (Romans 15:13)

So, what's happening this month at CFC? Well, we will be kicking off this month activities with the Friday, Nov. 6, ERAU President's Residence meeting. This will certainly be a great time of fellowship and teaching, with our special guest speaker Ralph Youngquist from Deland.

The night will begin at 7:00 p.m.

with a time of food and fellowship. Then we will all gather to hear Mr. Youngquist speak.

Mr. Youngquist's teachings have always proved to be an encouragement to all so we are looking forward to hearing his message. The President's Residence is located at 317 Ocean Shore Blvd., in Ormond Beach. To get there, just take I-40 (Granada Blvd.) East to A1A, then turn left and head North exactly 1/2 mile, and the President's Residence will be on the right hand

side. The Christian Fellowship extends an open invitation to all. And contrary to last week's article, the dress will be casual. Looking forward to seeing you there!

If you cannot make it to the President's Residence meeting, just remember that we do meet every Saturday at 6:30 in the University Center Common Purpose Room. All are invited to attend and if you have any questions concerning the group please call 355-3405 anytime.

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GDAC Grateful Dead Appreciation Club

By Martin Smith
Club Reporter

The Grateful Dead Appreciation

club will be holding an open meeting for all interested persons on Friday, November 5th at 510 Lennox at 9 p.m. There will be new members,

as well as entertainment. For more information, contact Scott Aron at 252-8382, or Mary Smith at 672-6238.

EAGLE FLIGHT CENTER

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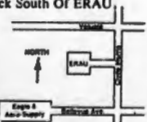


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Jeff MacNelly



Gary Larson



"Man, this is havin' no effect. ... But if the boss wants this varmint cragged through the desert, I ain't gonna argue."

See SOLUTION, page 13



Air Science student, Renee Sinicki, displays typical Halloween attire at last Saturday's dance held in the University Center. More than 300 students attended the dance.

Ghoul dance successful

By Todd Wessendorf
Staff Reporter

The Embry-Riddle Entertainment Committee sponsored annual Halloween dance costume contest last Saturday evening in the University Center. The live music was provided during the evening was performed North Carolina band called The Ticker. Their music repertoire consisted of current top 40 tunes, both hard and soft.

The U.C. was decorated with typical Halloween paraphernalia, including some original and creative Jack-o-lanterns set up on the parapet surrounding the building. The set-up crew did an excellent job with the interior of the building making creative use of balloons, streamers, and blow-up Frankenstein and Gummy dolls. During the dance, the crew added the fog of a swampy mire by turning on the fog machine, filling the U.C. with white smoke.

The turnout at the dance was impressive. All types of ghouls and goblins were represented in costume by students, faculty and staff.

Administrators questioned on University song, colors, mascot

By Jon Osterholm

Administrators questioned on University song, colors, mascot

By Jon Osterholm
Staff Reporter

What does Embry-Riddle's staff know about the school's colors, mascot, and song? The Anon got in touch with University President Kenneth L. Tallman and other staff members and asked them what they know. The overall opinion of what the school colors are is blue and gold. Blue and white, which is found on the insignia on the fountain basin in front of the U.C. and other places, is used mainly for convenience sake according to some staffers. Vice President of University Relations William Harman said that the colors stood for the sky and the sun.

The Embry-Riddle mascot, according to history and popular knowledge is the eagle found on Embry-Riddle's logo. Tom Arnold, director of alumni relations, said that there is an eagle costume representing our mascot. However, many faculty and staff members have



Photo by Osterholm



ERAU (pronounced EE-Rau) the eagle displays itself at the pool party held in August. The bird is the official mascot of Embry-Riddle.

never seen this eagle costume. According to everyone asked, Embry-Riddle has no school song, although Vice President Harman suggested having a writing competition to stir student interest in a school song.

'Top Flight' lacking basic Air Force history

By J. Roger Osterholm, Ph.D.
Professor of the Humanities

Just Rating: 

It was n't documentary and it wasn't a history. "Top Flight," the hour television show broadcast on CBS-TV last Tuesday at 8 p.m., was a celebration of sorts commemorating the fortieth anniversary of the United States Air Force as a separate of the armed services.

William Shatner, the famed Captain Kirk of Star Trek fame, is the host, narrating the show in a "gee whiz, golly-wollers" style that the script calls for. A production of Arnold Shapiro and USAA, "a financial services institution," and written, produced, and directed by Carol L. Fleischer, the program samples the history and the elements of the Air Force, but little more.

The show is an appetizer to a solid treatment of the development of the flying service, but the substance may not yet be in the works. True, the show has its bright and solid stories, like Doolittle's raid on Japan in 1942, the development of fighter pilots in World War I, the Tuskegee Army (the black fighter pilots of World War II), Col. Francis "Gabby" Gabrasky (America's greatest ace—28 kills by 1945 and 612 more in Korea), the USAF Fighter Weapons School at Nellis AFB, Las Vegas, female jet instructor pilots, and the Air Force Academy at Colorado Springs. And this is the order they come, under

four themes. But there is no mention at all of the initial controversy over beginning the Aeronautical Division of the Army's Signal Corps in 1907. This is another birthday, being just 30 years ago. There is no mention of the controversy over air power in the 1920s and 1930 nor of Gen. Billy Mitchell and the famed sinking of three captured German ships in 1921, including bombing the powerful battleship *Ostfriesland* into an early grave. There is no mention of the powerful air forces of World

controls in 1947, the Jolly Green Giant helicopter, and the F-16 and F-15s. Where are the B-17s, the P-47s and P-51s, the F-86s, the Panthers, the venerable C-47s and C-52s, the U-2 and SR-71, and the ICIM's? Too many holes to be considered a substantial treatment. Films who some of these aircraft briefly, but without mention.

Instead we are treated to Jimmy Stewart in a recruiting film and crashing a B-36 in a movie, to several B-25 pilots' wives discussing family life on the beaches at Pen-

years, the program amounts to superficial Air Force propaganda and glorification produced by someone looking in from the outside. We have femininity and racial equality, speed and bravery, intelligence and glory, but no coherent story.

Chuck Yeager's story is told through the person of Sam Shepard in the movie *The Right Stuff*, but Gen. Jimmy Doolittle is allowed to speak for himself. With characteristic candor and class, Airman Duane Hockley, a brave para-jumper and rescuer during the Vietnam War, says, "There was no romance or anything involved in the war. War is the killing of human beings." Tender humane stuff, but the "gee whiz" narrator continues to talk of heroes, bravery, and glory, giving credit to military glory and humanitarianism. The superficiality of the glory clouds the sincerity of the humanness. It's TV at its most colorful mediocrity.

Any aviation enthusiast will want to see the actual films of Gabby Gabrasky in action over Europe and a detailed dogfight exercise between two F-16s and two F-15s over Nevada. The films on the Air Force comes down to a question of balance and focus, like any freshman's essay. Only this program remains sophomoric. Still, borrow someone's videotape of the show. It's not nearly as good as the PBS program "Wings Over Water" on the Navy, but it's worth watching.

How we rate them...



Excellent...see it twice!

Very good...worth going to

So so...a few redeeming qualities

Truly rotten...a waste of perfectly good film

War II, not even the Eighth Air Force in England. No mention of long-range bombing of Japan nor of dropping two atomic bombs to end the war. No mention of too many things central to the pride of the Air Force.

There is hardly comment on important aircraft. The exceptions are the Bell X-1 that broke the sound barrier with Chuck Yeager at the

controls in another movie, to Amelia Earhart, who had no Air Force connection whatever, and to one female instructor pilot taking a novice through maneuvers in a F-37. The show is decidedly a minority report and a bow to aviation movies.

Because so much substance is omitted in favor of a merely anecdotal skip through the last eighty



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Up and Away...

The partially inflated Hobby Box balloon is readied for flight at the Brandon Balloon Festival last month. The balloon will be the opening event at this week's Aviation Homecoming Festival. It will be run by ERAU students.

Photo by Conrad Brown / Tampa Tribune

Concert set for Saturday

By Timothy S. Van Milligan
Staff Reporter

Aviation Homecoming Festival will conclude Saturday with various events. One of these is an outdoor concert sponsored by the Entertainment Committee, which will feature two bands, *Firefall*, and *Atlantic Rhythm Section*.

Firefall consists of six members, headed by lead vocalist Jack Banly. They have produced eight albums for Atlantic Records since 1976, including *Firefall*, *Luna Sea*, and

Elan. They are currently working on another album.

The headline band of the concert is *Atlantic Rhythm Section*, the six member band which last appeared here at Embury-Riddle in the fall of 1985. The group debuted in 1972 and has since produced 11 albums. A song that will probably be performed is *Large Town*, which is a tribute to Lynyrd Skynyrd which was produced after the tragic plane crash of 1977. The group is also currently working on new material for an upcoming album.

Voyager crew talk today

Rutan and Yeager speak from past aviation history

Jeanne Yeager

Born in Fort Worth, Texas in 1952, Jeanne Yeager has established a dozen aviation records in her decade of flying. In addition, she is an accomplished commercial and engineering draftsman, with a background in energy, aerospace and other businesses. Since March of 1981, along with Dick Rutan, she has devoted herself exclusively to the building, testing and flying of the *Voyager*. In addition, she managed the critical organization of the ground support and office staff for *Voyager* inclusive of the grassroots funding effort, for *Voyager* Impressive People or VIP Club.

President Reagan awarded her the Presidential Citizens' Medal for her achievements in *Voyager*.

From the Paris Aero Club, she was awarded the Grande Medallion and the Medaille de Ville Paris. These were the same awards presented to Charles Lindbergh.

"*Voyager* was made possible by a grassroots effort of people who shared in a dream. If it had been easy, then it would have been done a long time ago," said Yeager.

Before her participation in the *Voyager* project, Jean Yeager spent fourteen years as an engineering design drafter and commercial illustrator.

Richard G. Rutan

Dick Rutan obtained both his driver's license and pilot's license on the same day - his sixteenth birthday - and entered the Air Force Aviation Cadet Program almost immediately after high school. Born in Los

Anges, California, he grew up in the small town of Dinuba, in California's Central San Joaquin Valley.

He spent two decades in the Air Force, some of the time as a navigator, but mainly as a TAC Fighter Pilot. He flew 325 combat missions in Vietnam. For his Air Force achievements, Dick was awarded the Silver Star, five Distinguished Flying Crosses, sixteen Air Medals and the Purple Heart.

He returned from the Air Force in 1978 as a Lt. Colonel and became Chief Test Pilot for Rutan Aircraft Factory, a company founded by his brother, Burt Rutan. He did the critical test flight development work for the *Long-EZ* airplane in which both he and Jeanne Yeager set numerous individual speed and distance records. In recognition of these record flights, he was awarded the 1982 Louis Blériot Medal by the prestigious Fédération Aéronautique Internationale. In addition, he was the first test pilot on the Beech Starship I project, and made other first flights in airplanes designed by his brother Burt.

In 1981, Dick left Rutan Aircraft Factory, and with partner Jeanne Yeager, founded *Voyager Aircraft, Inc.* The initial effort of their new corporation was to build an aircraft and fly it around the world unrefueled - and do it before anyone else.

In December of 1986, Dick and Jeanne piloted the *Voyager* around the world, non-stop, non-refueled, achieving the "Last First" in atmospheric flight. In the process, they more than doubled the record for non-stop straight line distance, thus completing a six year effort to achieve this significant milestone of aviation.

Pilot certification subject of talk

By Ken Bascom
Staff Reporter

In observance of Aviation Homecoming, Dr. Richard O. Reinhart will speak in the U.C. on Thursday at 8 p.m. on the medical certification of pilots. Dr. Reinhart is a Flight Surgeon for the Minnesota Air National Guard, and was an aeromedical consultant to Republic Airlines for ten years. He also writes a monthly article for *Business and Commercial Aviation Magazine*. He has a book out entitled, *The Pilot's*

Manual of Medical Certification and Health Maintenance.

The topics he will discuss include self medication and vision correction. Dr. Reinhart believes that, unlike the Flight Surgeon in the military, the civilian medical examiner is often not as visible and thus not as closely associated with pilots. He hopes to close this gap and will encourage questions during the lecture. Being a pilot himself he understands the problems encountered by the flying community. Currently he is working on a video series entitled "Medical Airworthiness."

Homecoming Festival Schedule of Events

Wednesday, November 4

- 12 - 2 p.m. Opening Festivities
 - Hot Air Balloon Demonstration (sponsored by Alumni Assoc.)
 - University Group Photo with Dr. John Paul Riddle new library.
 - Music (sponsored by ERAU Entertainment)
 - Freebies (sponsored by Alumni Assoc.)
 - University Group photo with Dr. J. Paul Riddle by Balloon. Everyone's invited
 - Deadline to purchase tickets for barbecue
- 1:30 p.m. - Welcome Dick Rutan and Jeanne Yeager to ERAU
- 2 p.m. - Key Demonstration on athletic field
- 8 p.m. - Lecture / Presentations by Rutan and Yeager on crew at Embury Auditorium. Free tickets available in InCom Center for students, and in Chancellor's Office for faculty/staff. ERAU has service available from campus to Peabody Auditorium.

Thursday, November 5

- 9 a.m. - Key Demonstration on athletic field
- 9 a.m. - Start of Volleyball Competition at Volleyball Field
- 10:30 a.m. - Lecture by Dr. Richard Reinhart on medical certification requirements for aviators (co-sponsored by Flight Team and Aeronautical Science Department)

Friday, November 6 "J. Paul Riddle Day"

- 9 a.m. Submissions for model airplane competition at Spruance Hall atrium area.
- 10 a.m. - University Housing Dedication Dedication
- 10:30 a.m. - Founders Day Banquet for entire Embury-Riddle community. Entertainment, presents, social, beverages, give aways. Tickets \$20 student activities.

Saturday, November 7

- 9 a.m. - Walkathon for Challenger Memorial Fund at Tomoka State Park
- 10:30 a.m. - Results of model airplane contest announced at Spruance Hall
- 10:30 - 3 p.m. - Open House at Daytona Beach Regional Airport celebrating Florida Aviation Day. State displays, community vendors, and representatives involved. ERAU has service available from campus to the airport.
- 10 - 11:30 a.m. - ERAU Eagles Soccer Team versus Northwestern Nationals
- 11:30 a.m. - Finals of Volleyball Competition at Volleyball Field
- 1 p.m. - Free concert begins on field between U.C. and softball field. Parachuting Demonstration by ERAU skydiving team
- 1:15 p.m. - Robert Nelson "as the Buttery Man" takes the stage
- 1:45 p.m. - Atlantic Rhythm Section takes over on stage
- 3 p.m. - Concert begins if afternoon show is rained out
- 9 p.m. - Concert begins if afternoon show is rained out

THE BEST

Firefall consists of six members, headed by lead vocalist Jack Banly. They have produced eight albums for Atlantic Records since 1976, including *Firefall*, *Luna Sea*, and

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3:30 p.m. - Robert Nelson retakes the stage

9 p.m. - Concert begins if afternoon show is rained out

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