

12-7-1988

## Avion 1988-12-07

Embry-Riddle Aeronautical University

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# EMERSON

Volume 60, Issue 12

Embry-Riddle Aeronautical University, Daytona Beach, Florida

December 7, 1988

## Campus



The Computer Lab, now open 24-hours for student use during the week, has 94 personal computers. John Watt takes advantage of the opportunity. **Page 9**

## Clubs



Army ROTC Battalion participate in an on-campus awards ceremony. Clubs begin to wrap up events after an event-filled semester. **Page 11**

## Aeronautica



Central Florida native flies for the elite Blue Angels Demonstration Team. Hailing from Mt. Dora, Lt. Col. Wayne Molnar flies lead solo (#5) for the team. **Page 13**

## Space Technology



Flames seen on rockets from the Saturn V project are similar to those that have been spotted on the space shuttle solid rocket boosters. **Page 17**

## Sports



Becky Morissette leads the way for female varsity sports competition. She has represented ERAU in intercollegiate golf tournaments. **Page 20**

## Diversions



A play by the Drama Club, *All My Sons*, was performed in the University Center. The cast of the play consisted of Embry-Riddle faculty and students. **Page 24**

## Go Atlantis!

# Spy satellite launched

by Michael Fried  
Space Technology Editor

After one scrubbed launch attempt, the space shuttle *Atlantis* lifted off Dec. 2, at 9:30 a.m. STS-27 marked *Atlantis*' third mission and the second mission since the *Challenger* accident.

The flight, including a secret military spy satellite, was set to occur Dec. 1. However, bad weather had not cleared before the launch window closed.

On all Department of Defense (DOD) flights, NASA announces a three-hour launch window in which the shuttle will launch. The exact time is withheld until nine minutes before lift-off. The window for this launch was from 6:32 a.m. to 9:32 a.m.

In addition, all communications between the crew and mission control are blacked out. The only launch commentary came from a NASA public affairs officer, Hugh Harris.

The reasoning behind the secrecy is to prevent Soviet ships and satellites from tracking *Atlantis*' flight path and orbit.

On Thursday, Dec. 1, the five-man astronaut crew left their sleeping quarters for the pad at 3:45 a.m. after having the traditional suzak and eggs breakfast.

Despite the 80 percent chance of a weather scrub, the countdown continued. Colonel John Madura, USAF staff meteorologist said, "From a low atmospheric standpoint, it would've been a go." However, it was the winds at the 45,000 to 55,000 foot level that caused the problems.

The upper level winds would cause shear loads on the shuttle, hence they are called wind shear.

The shearing problem occurs when the wind is traveling in different directions at different altitudes creating stress loads on the shuttle.

The cold front, which brought rain to the space center during the window, passed through as planned. However, the rain cleared but the winds remained.

At 9 a.m., with 32 minutes remaining in the window, Hugh Harris reported the launch would be scrubbed for the day. There were no signs from the

see ATLANTIS, page 18

## New York Times editor to speak at commencement

by Phyllis A. Saimons  
Avion News Editor

The speaker for Embry-Riddle Aeronautical University's December 1988 Commencement ceremony will be Richard Witkin, the Transportation Editor of the *New York Times* since September 1968.

Witkin joined *The Times* in September 1954 as an aviation specialist. He worked for a time as a general reporter and rewrite man and then turned his full attention to aviation and space news reporting. He became Aerospace News Editor of the newspaper in October 1963.

In 1965, Witkin changed his specialty and became *The Times* chief political reporter in New York City, a post he held until returning to his original field by taking the position of Transportation Editor.

Witkin's newspaper career began with *The Detroit Free Press* in 1940. Then, in 1941, he worked as a news writer for station WOV in New York and between 1945 and 1954 was with the United Press (U.P.). At U.P. he wrote news broadcasts, became night radio editor and then covered the United Nations from 1947 to 1954.

Over the years, Witkin has covered all aspects of aviation, specializing in aviation safety issues. His reporting has been said to be consistently fair and accurate, showing a depth of understanding of some of the most technical aviation topics.

Witkin has a reputation of attempting to cover all sides of a story, and has over the years been in regular contact with AOPA and others in general aviation. Witkin has always been careful to cover all bases, and his stories are almost invariably the most technically accurate and reasoned.

Witkin has written extensively about problems with the DC-10, the litigation over the Air India crash of a Boeing 747 in Bombay, and the problems in procurement of the Air Force's swing-wing fighter, the TEX, later called the F-111.

Witkin has long been considered one of the country's leading aviation journalists, and has received the Lauren D. Lyman Award of the Aviation/Space Writers Association. He was also part of the *New York Times* team awarded the Pulitzer Prize for 1986 coverage of the *Challenger* disaster.

Witkin has won many prizes for his writing, including a Page One Award of the Newspaper Guild of New York and several T.W.A. Aviation Awards. He also won the 1975 Publications Award of the Flight Safety Foundation and in 1983 he received a

see GRADUATION, page 9



Shhhh...

The space shuttle *Atlantis* lifts off from pad 39-B beginning the launch of STS-27. The Department of Defense-sponsored mission reportedly contained a spy satellite to spy on the Soviet Union.

## Olympic star-athlete now an aspiring pilot at ERAU

### Waggoner placed fifth in pairs figureskating

by Ray Natas  
Editor In Chief

Todd Waggoner was 6 years old when he began to take ice skating lessons in Schaumburg, Ill. Little did he know that these first steps would lead him to the 1988 Winter Olympics in Canada.

"My sister, Jan, kind of got me interested in skating. I guess I wanted to do it because of sibling rivalry or something," said Waggoner, a 22 year old freshman majoring in aeronautical science.

Waggoner's progression from local competition to Olympic stardom spanned a total of 16 years.

"I quit for one year when I was 9 years old, but started up again when I was 10," the blond-hair, blue-eyed skater said.

"I used to skate with my sister who turned professional in 1984," recalls Waggoner. After skating with her, he had a chance to skate with Gillian Wachsmann, a female skater who was fourth in the country at the time. "We skated for a year just to see where it would go and decide from there," he said.

Their success was phenomenal. In their first year of competition, the Waggoner-Wachsmann duo were third in the nation in pairs figureskating. "I said to myself that the

Olympics were only three years away ... I'd kick myself for quitting now," he exclaimed.

In 1986, Waggoner and Wachsmann won the U.S. National Competition in Kansas City.

"I knew that the Olympics was not out of reach then."

"My sister and I went to high school in Wilmington, Delaware, while we trained. A lot of the best from the USA train there," he said.

Waggoner's typical training schedule was rugged. He went to school from 8 a.m. until 2:30 p.m.

see WAGGONER, page 9



With his partner, Gillian Wachsmann, Aeronautical Science student Todd Waggoner placed fifth in pairs figureskating in the 1988 Winter Olympics in Calgary, Alberta, Canada.

Editorial

The best of times

The best of times. This simple phrase can be seen in papers, yearbooks, movies, and even in song lyrics. Now it's in print in the Avion newspaper.

Why put such a cliché on an award-winning publication? The answer is simple. This semester has definitely been the best of times for many of us this year at Embry-Riddle Aeronautical University.

The one thing, perhaps, that has changed for the better is school spirit. A 180 degree turn in the attitude of the student body is evident and it seems like the trend will continue. People are proud of this school and apathy seems to be finding its way out the back door.

The initiation of varsity sports is also a welcome and much needed addition to our University. Those involved with the sport scene (players, coaches, spectators) represent the undying spirit of ERAU and are to be commended.

The students who have come in the past few years are also the driving force behind this school spirit. The students are young, spirited, lively. They carry with them a dedicated spirit.... dedicated to aviation and aerospace and dedicated to Embry-Riddle.

Clubs, organizations, SGA divisions and the greeks are involved with the "best of times". Their contribution to the Embry-Riddle community and the Daytona Beach community is beyond comprehension. They get the student body together in a common bond and perform services that are many times unselfish and admirable.

The best of times can also be associated with the construction on campus. The campus is definitely beginning to look like a University. No longer is there evidence of a runway going down the center nor is there an abundance of concrete. Grass and shrubbery are making things pleasant and are making it more inviting for students to remain on campus.

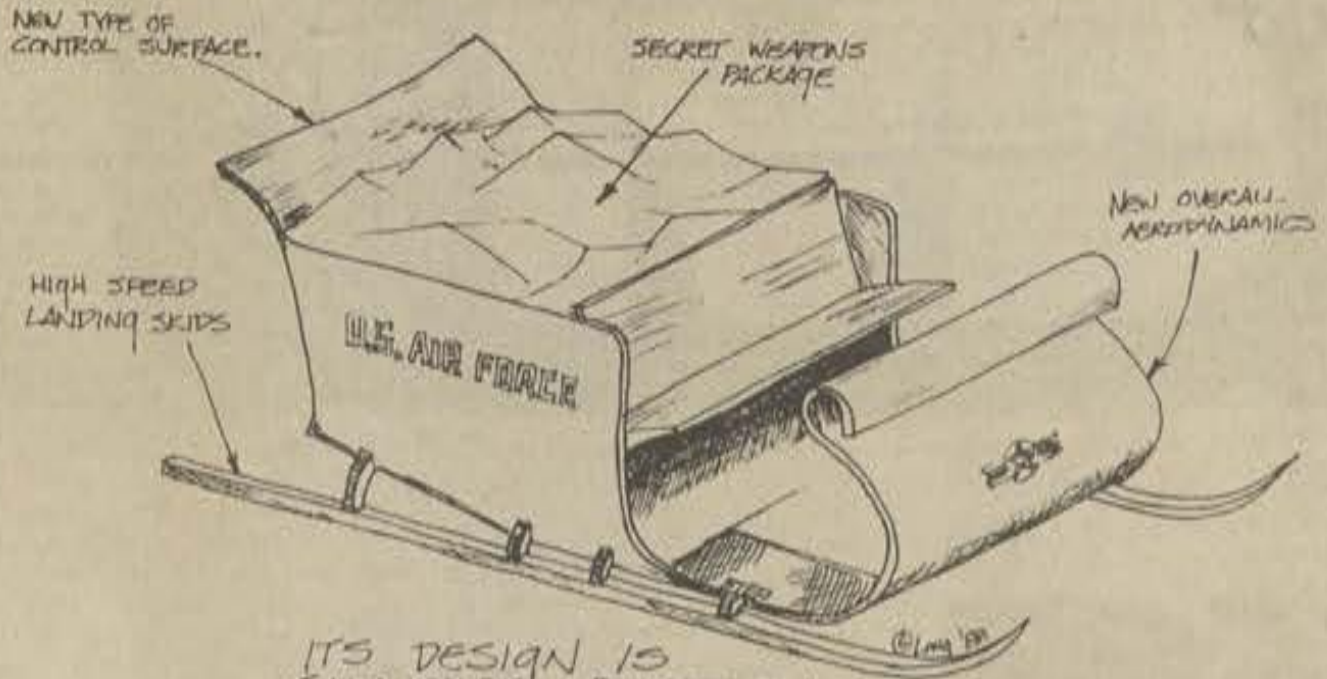
The Avion, too, is experiencing the best of times. A completely new staff has invaded the newspaper office. All are trained or being trained and this benefits the entire student body. Evidence of this can be seen in this issue of the newspaper -- the biggest and, perhaps, the best in the history of the publication. Campus stories, excellent cartoons, and extensive coverage of aviation and aerospace all benefit you, a loyal and dedicated readership.

However, let us not pat our backs on these achievements. The best of times need to continue and not remain stagnant. Problems are rampant at this University and students need to continue to voice their opinion to get these problems ironed out.

Ah, yes, these were the best of times and they need to continue. There's something mysterious happening here something almost magical. Maybe, it's the season. Maybe, it's the people.

The Avion wishes the best of times to all students, faculty, staff and administration of ERAU.  
Merry Christmas and Happy New Year!

THE PENTAGON HAS JUST RELEASED A PHOTO OF WHAT IS BELIEVED TO BE THE NEW B-3 STEALTH BOMBER.



ITS DESIGN IS SAID TO BE BASED ON A PROVEN DESIGN CONCEPT. THIS PHOTO DOES NOT REVEAL THE TYPE OF PROPULSION USED. IT IS BELIEVED TO HAVE STOOL CHARACTERISTICS...

Letters to the Editor

For Shame, Mullin

To the Editor:  
This letter is in response to the many comments made against female students by Greg Mullin, the Avion Satirist. A letter was previously written in response to his first degrading article (9-21-88) and was not published because it was considered slanderous by the Avion staff.

We feel what is being written by Mr. Mullin is in extremely poor taste. Many students, male and female, are extremely disappointed that the Avion would allow such biased and unprofessional material to be published. We would hope that in the future, the satire column is written with an adult, professional attitude.

Perhaps Mr. Mullin should have steered "clear of the female issue", but he didn't. Our constitutional rights to free speech and free press guarantee our right of response. As John Stuart Mill wrote in 1859, "We can never be sure that the opinion we are endeavoring to stifle is a false opinion; and if we were sure, stifling it would be an evil still."

So we will be heard, Mr. Mullin has insulted the majority of Embry-Riddle students, male and female. He laments the scarcity of windows in the library, not because the clear light of knowledge in search of truth is obscured, but because he has no window through which "to view the lovely but few lasses that promenade to and from classes." If he believes the pace necessary to move from MO 3 to B-516 in ten minutes is a promenade, he is mistaken. If he believes all Embry-Riddle males are leering, lusty, leachers, he is equally mistaken.

Most of us are at Embry-Riddle to pursue careers we are genuinely committed to - some of us have been so committed for years. If we have to settle for four or five years on a campus only a few miles from the Atlantic Ocean, in the university of our choice doing what we want to do, becoming the professionals we have decided to be without the "zazz", so be it, Mr. Mullin. Most students here - male and female - are willing to work together in mutual cooperation to reach our collective goals.

It is not we who are out of step, it is Mr. Mullin. If none of the 500 or so women students will agree to remove him from this "enormous mass of sexually frustrated people", perhaps he should consider transferring to Vassar. But no - the women there are interested in their studies, too. Poor Mr. Mullin.

Signed,  
50 ERAU students

(Editor's note: The first letter submitted to the Avion was considered libelous - as opposed to slanderous - by the Editor in Chief and not the Avion staff.)

Way to go, Mullin

To the Editor:  
Hooray for Mullin!  
In last week's Avion, he poked fun at the library addition and made public knowledge of what many of us have been saying. The library addition is a sight for sore eyes.

It is ugly!  
Before coming to the Daytona Campus, I went to check out what

the Prescott Campus had to offer. The Prescott Campus was simply a concentration of brown square buildings - completely unattractive and monotonous.

Can you believe that the Daytona Campus was better looking? I didn't think so. ERAU must have a liking for ugly campuses.

Mullin was on target when he said "What inconceivable sin would have been committed if the frame had a little contour, a little angle, a little 'style gothique'?" The library is nothing but a bunch of squares that may look nice on the inside, but is a disgrace on the outside.

How about some decent, architecturally-pleasing buildings on this campus, guys? It wouldn't hurt to have a nice looking building on campus other than Spruance Hall. An attractive building for student use would be nice, or do we not care where we put our students (i.e. the MOD trailers).

Thanks, Mullin, for having the guts to speak out.

Ben Brennan  
Box C245  
see LETTERS, page 9

Student Forum

The Avion asks: What are your plans for the upcoming holiday break?



Robert Schutt

Working to make up for the tuition raise and spending a lot of time with my girlfriend.



Anthony Ricci

I am going to fly home the 15th to New York. I would like to relax and have fun, but I will probably be working to pay for school.



Crystal White

I'm going home to Memphis. I'll try to forget about Daytona and school, drive up to Minnesota to visit friends and go skiing, relaxing and catching up on sleep.



Thom Gallavan

I will be going home to Chicago soon as I finish my flight course to ski, see my old friends, and recuperate from the fall semester and especially ROTC.



Richard Schuman

I won't be going home this year because of the long waiting list for multi-engine courses in the spring makes it imperative that I stay here and fly during Christmas.

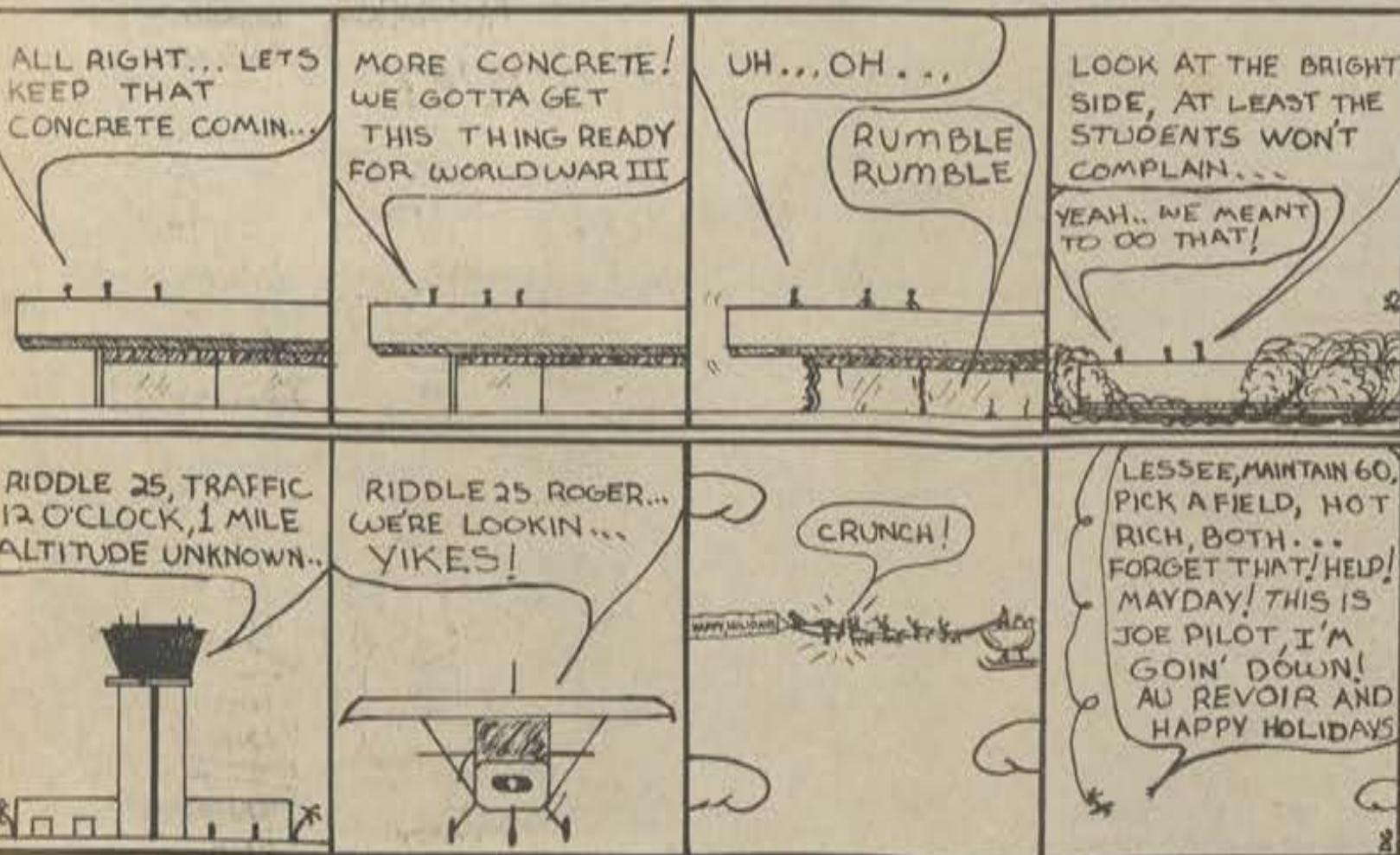


Lila Hargis

I am looking forward to spending time with my family and friends. I'm also ready for some real food.

Joe Pilot

Joe Szarmach



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Greg's Gibe

Gratitude expressed to loyal 'Gibe' readers

by P. Gregory Mullin  
Avion Satirist

So, after 14 weeks of unprecedented rhetoric, this column comes to a perhaps long overdue end for the semester.

I would simply like to thank humanity in general and the population at Embry Riddle Aero. University, in specific, for providing the meat for this column. From the celibates (honestly, no insult intended to the condition) to the Air Science Students (the jokes were all in good fun, if not in bad taste), I extend my undying gratitude to these people for providing the fabric on which this article was painted.

I must say, I had not in my most

decorated dreams expected to receive the overwhelming level of response from Greg's Gibe's readers, critics, and fools, as I have these past months. Responses (formal and informal) have come from all walks of life: a University Priest, 50 women liberators and their male counterparts, a few lawyers, whale lovers, dance club managers, editors, writers, advisors, professors, managers, food dispensers, directors, and sewage maintenance people.

If this column were responsible for delivering a serious message, I'm sure a more effective communique to a more diverse audience would not have been possible.

I have had, needless to say, a lot

of fun writing this column. Even though it is not the New York Times, the Avion DOES capture quite an audience and this audience is responsive. This suggests that, though some of them disapprove of its content and subject, they do take the time to read it.

I hadn't realized that hypocrisy was a prerequisite for enrollment at this University.

The Greg's Gibe articles were created solely for the purposes of amusement. Unfortunately, there were a few people that consumed the article in a fashion inconducive to its intent. The remark "fools" mentioned at the start of this article comprise those people.

Surely if I had intended to make

a serious stand on the issues that decorated this column, I would have employed methods more credible than the ones I have thus far used. As one of this column's avid readers (an Air Science student) once said, "Such a pity so many people allow emotional complexity to direct their lives."

So, as a semester of frustration comes to an end and the anticipation of yet another four months of torture begins, I wish you ALL a very Merry Christmas with hopes of success for the upcoming year.

May you all celebrate the holidays in pure capitalistic style and may you never allow a simple satirist to cause you mental or gastric discomfort.

Career Navigator

Employers announced for Career Day '89

by Career Center

The Career Center will sponsor Career Day '89 on Friday, January 27. Below is a tentative listing of those employers who will be on campus to talk informally to students about their companies. This is an excellent opportunity for all students to gain information and explore career opportunities with a variety of companies in a single setting. This type of first-hand information from professionals in the industry can be helpful in your career decision-making.

Employers are interested in seeing students with backgrounds in these career clusters:

- 1. Engineering
- 2. Maintenance
- 3. Avionics
- 4. Business/Management
- 5. Flight (pilots)
- 6. Computer Science

Career Clusters

1, 2, 3

3

2, 5

1, 4, 5, 6

1, 2

4, 6

2, 3

1, 3

4, 5

1, 4, 6

3

2

5

2, 3, 4, 5

Employer

United Parcel Service, Louisville, KY

Jetaire Services, Miami, FL

Airframe and Avionics Engineering

Airways International, Miami Springs, FL

Commuter Airline

Federal Bureau of Investigation

Grumman, St. Augustine

Aircraft overhaul and modification

WSJ, Bedford, MA

Weather data and graphics information for aviation users

Delta Airlines

American Electronic Laboratories

Lansdale, PA

Installs and integrates avionics equipment in fixed and rotary wing military aircraft

Drug Enforcement Administration

Space and Rocket Center, Huntsville, AL

Alaska Airlines, Seattle, WA

Regional Airline

Airwork Corporation, Millville, NJ

Engine maintenance and overhaul

Brockway Air, Plattsburgh, NY

Commuter Airline

Federal Aviation Administration

ATC and aviation safety inspection

Winston



Andy Friz

Every Sunday



Catholic Masses 10 a.m., 7 p.m., 10 p.m.  
Protestant Services 11:15 a.m.  
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Merry Christmas from the Hoover and his Oafs at the Avion!

French  
Mike  
Friend

Tiny  
The  
Student

Isuzu  
Dr. Calton

Dudley  
Erin  
Maur

Joe Pilot

Dr. O

Dee

Dinghy

P.V.

Brillo

Cobb

Stealth

Hoover/Huck  
Ray Nitz

Elton/Bennie  
Bon Brennan

Pee Wee  
Paul Abner

the Communist  
P. Gregory Mullin

Brat

Pud

Hanging Judge  
Jeremy Greenidge

Yak  
Bill Tash

Saint  
Damian Palle

Scotty  
Shawn  
Geer

the Communist  
P. Gregory Mullin

Brat

Pud

Hanging Judge  
Jeremy Greenidge

Mike and Jean!!

Female Forum  
MANN Y  
FERNANDEZ-  
Longo

Junior

Boooooo

Farmer  
Michael

Slash

Mango

Puff

Jewels

Baby Huey  
Ron Duvo

# Safety is a team effort

by Phyllis A. Salmons  
Avion News Editor

"Aviation safety is the responsibility of everyone involved," according to Major James "Ross" Russo, an FAA Accident Prevention Counselor. Russo made a safety presentation at Embry-Riddle on Nov. 29 in Professor Shannon Trebbe's Aviation Safety (AS 409) class. Russo made presentations in several classes at ERAU, the arrangements having been coordinated by Professor Don Hunt of the Aeronautical Science Department.

Russo is an F-16 instructor, currently based at McDill Air Force Base in Tampa. He has an extensive aviation background both in military and civilian aircraft.

"The hardest thing you'll ever have to do is confront someone and tell them that they are breaking the rules, endangering safety," said Russo, "but aviation safety is a real live vital individual responsibility. We owe it to everyone in aviation."

Russo told of the burden of that responsibility by relating that he has personally lost 32 close friends and associates to aviation accidents. "When you are the one who hands the folded flag that draped a casket to one of the widows, it makes you wonder if there is more you could have done for that friend's safety consciousness."

Russo asked, "Why do some pilots, mechanics, and other aviation professionals act in an unsafe manner?" Suppose, for instance, a pilot buzzes a building. What is so cool about it? When you think about it, he can't break the record (on how close he can get). The best he could do is tie the record (not make it at all). What can it possibly accomplish?

Russo referred to such pilots as "real live dead pilots," because even though they are currently alive and well, it is just a matter of time before their luck runs out. What if you as a passenger, or an observer say nothing to such an individual about his unsafe actions. "They'll think you like it. If you don't say something, they'll keep on doing it. You will reinforce their behavior and shirk your moral responsibility to humanity."

In discussing responsibility for an aircraft accident, Russo asked, "Who is to blame?" Class discussion suggested many individuals are responsible for a given accident. The pilot is responsible for emergency procedures, use of checklists, passengers, crew coordination, weather and his own condition. Air Traffic Control is responsible for aircraft separation, runway and airfield control. The ground crew must check for airworthiness, proper fueling, and maintenance. The airport manager is responsible for the airport status and Airport Security maintains a safe airport environment. The Fire/Rescue team is responsible for

following established procedures in the event of an accident.

All of the above are bound to uphold the Federal Aviation Regulations (FARs) covering his own area of responsibility. In short, the safety of any individual flight is the responsibility of everyone involved.

Russo asked, "What are some of the things we in aviation are doing to insure safety?" The answer lies in extensive professional training in every sense of the word. Pilots, mechanics, instructors, air traffic controllers, avionics technicians, etc. must all be licensed and periodically reviewed to maintain safety stan-

see SAFETY, page 9



Asaph photo by Bill Dinkler

Make like me...

No, he is not making shadow pictures with his hands. Major James Russo speaks about safety to an AS 409 class

# Farewell to a student: an update on shooting victim

by David A. O'Donnell  
Avion Staff Reporter

The service was attended by a small warm group of students a few faculty and other friends," said Rev. Kenan Morris of the Office of Campus Ministry. This described the memorial service for Todd Lefton held this past Sunday.

Lefton was buried in St Petersburg on Saturday. His family is most recently from the area. He was survived by his parents and sister.

At Embry Riddle, those who knew him are still trying to pick up the pieces and make some sense out of the tragic events of last Tuesday morning.

At approximately 2:23 a.m. on the

morning of Nov. 29, South Daytona Police responded to a possible shooting. When they arrived at the residence of Lefton and his roommates, they found the Embry-Riddle senior wounded with a gun shot to the head. The victim was rushed to Halifax Hospital. Several hours later, doctors pronounced him dead.

Lefton was majoring in Aviation Business Administration. He graduated from Williston North Hampton School in East Hampton, Mass., and then began his college career at the University of Florida in Gainesville. Shortly after, he transferred to Embry-Riddle to finish his education.

He was most recently awarded an Associates Degree in Aeronautical Science this past August.

Lefton was planning to graduate this coming April with his bachelors degree in business.

The investigation into the shooting has not been closed; however, detective Rick Rata-macher of the South Daytona Police Department says the initial investigation points to the incident being purely accidental.

"We are still awaiting the final lab results, but the initial evidence looks like it was an accident," said Rata-macher in a telephone interview on Monday.

Friends of Lefton ask students to take a few minutes out of the coming holiday season to say a prayer for the family of this young man.

# 'Outsider' takes an inside look at the Avion oafs

by Jeremy Greenidge  
Chief (Oaf) Justice

This column describes my interest and experience with the Avion. I first became interested in the Avion when I crashed the Avion/Phoenix spaghetti cookoff.

The Avion consists of a bunch of individuals who are of high spirits and group effort.

Well, to start a long story, a group of 25 of us went to the basketball game (Eagles vs. the Scots) at DBEZ on a leopard-spotted bus. Needless to say, we were very supportive of our team (somewhat rowdy, but very supportive nevertheless).

After leaving the game, we left DBEZ in search of the wizard. We did not see him but somehow found ourselves wandering the beachside.

We managed to find a bar called the Ocean Club and stopped there to quench our thirst. After, we poured ourselves back into the bus and headed to Spanky's for some much needed food and a few more drinks.

My night with the Avion was so enjoyable that I remembered it (or

should I say it hung around) till late Sunday afternoon.

On the following Monday, I visited them at their office to express my gratitude and was somehow

roped into working that day. Since then, my face has become known at the Avion.

This is my third week working

see OAFS, page 30



Asaph photo by Joe Dismack

Gotcha...

Members of the 1988 Avion staff -- or oafs as they are commonly known -- prepare for their annual Christmas photo in front of the University Center extension



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**Notices**

**Graduating Seniors**

Cap and gown pick up is Thursday, Dec. 15, in the CPR in the UC. The hours will be specified at the senior class meeting. During cap and gown pick up, class t-shirts will be sold for \$6, senior class party tickets will be available, and there will be a sign up sheet for parking sticker donations.

**University bookstore prepares to move**

The University Bookstore is beginning to make preparations for its move to the new location; therefore, to avoid inconveniences, we are asking you to buy your needed academic supplies as soon as possible. Thank you for your cooperation in this matter.

**FAA Written Exam Schedules**

Embry-Riddle Aeronautical University will administer FAA Pilot and/or Instructor Written Examinations for the following:

Exam	Questions/Times Allowed
1. Private Pilot-Airplane	50/6 hrs.
2. Commercial Pilot-Airplane	100/5 hrs.
3. Flight Instructor-Airplane	100/6 hrs.
4. Fundamentals Of Instructing	50/4 hrs.
5. Ground Instructor-Basic	100/6 hrs.
6. Ground Instructor-Advanced	100/6 hrs.
7. Airline Trans. Pilot-Airplane	100/6 hrs.
8. Aircraft Dispatcher	100/6 hrs.
9. Airline Trans. Pilot-Airplane	100/6 hrs.
10. Instrument Rating-Airplane	60/6 hrs.
11. Flight Instr.-Inst. Airplane	50/6 hrs.
12. Ground Instr.-Instrument	50/6 hrs.
13. Flight Engineer-Basic	50/6 hrs.
14. Flight Engineer-Turbojet-727	50/6 hrs.
15. Flight Eng.-Turbojet/Basic-727	100/6 hrs.

Date	Time	Place
December 13, 1200-1500		H-113,GRW Complex
December 14, 1900-1500		MOD 3,Room C
December 15, 1200-1800		H-113,GRW Complex
December 16, 0900-1500		H-113,GRW Complex

Students intending to take an FAA Pilot Written Examination are required to sign up in Office D-200 or call extension 6800 prior to examination day.

At the time of the examination, each student must present a receipt for pilot exam fee, validated by the Cashier's Office; a written authorization form signed by an appropriate aeronautical science department ground instructor or the failed results of a previous FAA written examination, and present as personal identification, an Airman Certificate, driver's license, or other official document.

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

**Hunt Library hours and messages**

**Exam schedule**

Dec. 9	0715 - 2000
Dec. 10	0800 - 2000
Dec. 11	1300 - 2300
Dec. 12	0715 - 2300
Dec. 13	0715 - 2300
Dec. 14	0715 - 2300
Dec. 15	0715 - 1800

The library will be closed Dec. 16 - Jan. 10, and will re-open on Jan. 11, 1989, at 0715.

Please pay all library fines by Dec. 6, 1988. All payments must be made at the Library Circulation Desk.

All library items must be returned by Dec. 15, 1988 at 1700.

Seniors must have library items returned and all fines paid by Dec. 12, 1988, to be cleared for graduation.

**Department of Academic Evaluations will be relocating**

The Registration and Records Office and the Department of Academic Evaluations will be relocating to the new University Center addition on the second floor.

The move is scheduled for December 9, 1988. In order to accommodate the move, both departments will be closed December 7 - 9, and will open again for business in the new facility, Monday December 12, 1988.

Please plan accordingly as all administrative processing, transcripts, evaluations, etc., will be on hold for the three days.

We apologize for any inconvenience.

**Students anticipating Spring '89 graduation**

We suggest that you fill out your formal graduation application for a PRELIMINARY GRADUATION EVALUATION.

Please indicate GR 401.50 on your registration form but do not forget to come to the Registration and Records Office to officially apply for graduation.

**An additional reminder for graduating seniors**

If a prospective employer requests a transcript for a job interview, we must have a written request from you before information can be released.

Stop into the Registration and Records Office and see us about request forms.

After you leave, NO REQUEST can be done without a written request and a \$2.00 fee, if an Official Transcript is needed.

**Recreation acquires Nautilus**

**Free weight room use open to all students**

by Matt Frideres  
Avion Staff Reporter

Many students are now enjoying the use of the expanded weight room and nautilus equipment. If you have not, the Recreation

Department encourages you to stop by and see what the University has been doing.

The new weight room, located in racquetball court five, was recently purchased by the Recreation

Department. The aeronautillus equipment was sold to the University at the beginning of the fall semester for \$35,000.

The SGA, former owner of aeronautillus, decided to sell the equipment for various reasons. They had to charge a user fee of \$25 to anyone who signed up to use the facility, and they were only making approximately \$2,000 a year profit on the nautilus room - not enough to cover any major repairs on the equipment which is almost six years old.

When the Recreation Department came to them and offered to buy the equipment, SGA decided it would be in the students and their best interest.

After Recreation bought the nautilus equipment, they expanded the universal and free weights, and moved them into the sixth racquetball court. They also bought over \$7,000 worth of new equipment, some of which has not arrived.

This expansion was made possible by the initiation of varsity sports. The school decided to expand the Time-Davis Complex at the pool area to include the new offices and enlarged locker rooms. This eliminated the area that was previously used for the universal machines.

Recreation took this opportunity to move the weight room and expand it, which they have been trying to do for some time. The new equipment includes: an inclined bench, additional free weight equipment, a repaired and functional universal machine, a universal adductor machine and a free weight squat stand.

There is no fee for the use of the new weight room. The expenses are paid by the Recreation Department and is taken out of their budget.

There are no immediate plans for expansion because of the lack of room, however if a fieldhouse is built, the Recreation Department hopes there will be a new weight room built in it. Until that happens, we can enjoy the use of the new expanded facilities.



Avion photo by Staff

**Aeronautillus re-opens...**

After close to a month of construction and refurbishing, the Recreation Department has opened up a new and improved weightroom to the student body.

**Last Laugh**

by Ken Steinhart  
Campus News Editor

Embry-Riddle Aeronautical University differs from most universities in many ways. One major difference is that many of the instructors and professors have had long and distinguished careers in the industry.

This is especially true in the Aeronautical Science Department. One professor had bragged to his class that he had started flying before a pilot's license was required to fly a plane. (This should give you an idea of this gentleman's age!)

While giving the class a lesson on how old a pilot should be when he stops flying, he said a rather startling remark.

The teacher said, "When you get older, there are three things that start to go. The first is your memory, and I can't seem to remember the other two!"

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# Tallman awards Ranger team

Embry Riddle's Eagle Battalion gathered on Thursday, December 1, to receive awards given by ERAU President Kenneth Tallman to the ten Army Cadet Rangers who won first place out of 23 schools at the 5th Brigade Range Challenge Competition held at Camp Blanding, Florida on November 5 and 6.

Members of the Embry-Riddle Army ROTC Ranger Challenge

team included: C/LT Michael Mann, Junior; C/LTC Ray Wojcik, Senior; C/CPT Gus Waterhouse, Senior; C/LT Travis Burrows, Junior; C/LT Mike Stetzig, Junior; C/LT Kerry Blount, Junior; C/LT Philip Badar, Junior; C/SGT Mike Sluski, Sophomore; C/SGT Kurt Nibler, Sophomore; C/SGT Jeffery Silver, Senior; and C/SGT Brian Scott, Junior.

The first event, was the 6.2 mile forced march. Each member was required to complete the march

carrying 40 pounds of equipment, including ruck sack, web gear and an M-16 rifle. ERAU finished in third place with a total time of 1 hour, 5 minutes and 41 seconds -- only 64 seconds behind the first place team.

The second event was the grenade throw, where each team member throws three grenades a distance of twenty meters at a bulls-eye inside a five meter circle. ERAU finished in second place.

The third event was weapons

assembly. Each team member was required to sprint fifty yards, assemble both an M-16 rifle and an M-60 machine-gun from a single box of parts and then run back to the start line while competing against the clock. ERAU finished in second place with an average time of 3 minutes, 20 seconds.

The fourth event was the one rope bridge. Each team was required to span a forty meter water obstacle by tying off a rope on both sides of the obstacle and then crossing individually on that single rope. ERAU finished fourth.

The fifth event was the Army Physical Readiness Test where team members were tested in push-ups, sit-ups, and a two mile run. ERAU finished in third place.

The sixth event was rifle marksmanship. Each team member was required to zero an M-15 rifle, and then fire that rifle for record. ERAU finished in second place.

By being the first place winner of the Brigade Ranger Challenge, ERAU has earned the right to compete in the 3rd Region, Regional Ranger Challenge Competition finals at Ft. Riley, Kansas, April of 1989. This competition will be between the top 10 schools of the 107 schools within the 3rd Region.

The Distinguished Military Students Award was presented to eight cadets for displaying outstanding qualities of leadership, high moral character, noteworthy academic achievement, and exceptional aptitude for military service.

Eight cadets were recognized for being in the top 30% of their platoons at Camp Warrior last summer.

Army Cadet Ray P. Wojcik was recognized for receiving the 1988 National Defense Transportation Medal.

Twelve cadets were recognized for winning four-year scholarships; 12 for three-year scholarships; and 13 for two-year scholarships.

Kerry R. Blount and Curt M. Nibler received ribbons for achieving a score of 300, the maximum possible, on the Army Physical Fitness Test. Five cadets received ribbons for scoring above 280.



Strummin'...

Mike Rayburn was featured at last weeks Attitude Adjustment in the U.C. He played a variety of songs from "Devil went down to Georgia" to "American Pie".

## Attitude Adjustment features guitarist

by Martin Kammerman  
Avion Campus News Writer

Mike Rayburn appeared at the U.C. at 5:30 on Friday December second.

For the most part, the attitude adjustments are performed by comedians, who have a musical talent that they incorporated into their routines. Rayburn was a musician who was able to put some comedy into his act.

Rayburn began with "You may be right", a popular Billy Joel song. He then noted that they were serving beer to the audience, and did his favorite beer drinking song.

He parodied Michael Jackson and Johnny Cash and then did his version of a cross between Dan Fogelberg and AC/DC.

Some other songs that Rayburn played were: "Devil Went Down to Georgia", "End of the World as We Know It", "Keep Your Hands to Yourself", "Wanted Dead or Alive",

"Freebird", "Rocket Man", "Stairway to Heaven", and "Lunatic is on the Grass".

Rayburn was able to get the audience involved in his act during "American Pie", as well as some crowd rousing songs to end his show.

After the show when asked what he thought of the crowd, Rayburn replied, "Different crowd" & "Hard crowd to play". He noted to the Avion that he didn't mind the few hecklers present in his audience, because he feels that it looks good when he puts them in their place.

He will be appearing at about 40-50 colleges and universities next year, and will be doing an album in June or July. He presently has an album called "What A Bargain" on the market.

In closing, Rayburn said, "This is one of the most unusual nights I've had in a long time, but y'all were great."



Avion photo by Bill Tackett

### ROTC struts...

Army ROTC color guard presents the colors at an award ceremony for the winning ROTC Ranger Challenge team. Major Fitzsimmons of the ROTC cadre presents the cadets to receive their awards from University President Kenneth Tallman. The Ranger Team competed in an inter-collegiate competition at Camp Blanding and finished first overall.



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SGA Sponsored Study Room

# Parachutist escapes death

by Ken Steinhart

Avion Campus News Editor

It started off like any other routine practice parachute jump as their Beechcraft, Twin Bonanza carried Eddie Turner and 11 other skydivers into the clear Florida sky.

"Fast Eddie" Turner, an Embry-Riddle Aeronautical Science Graduate, Class of '77, didn't know it at the time, but the days events would leave him a hero.

The story of this superhuman, selfless act of bravery, indeed, sounds as if it came out of a Superman Comic Book.

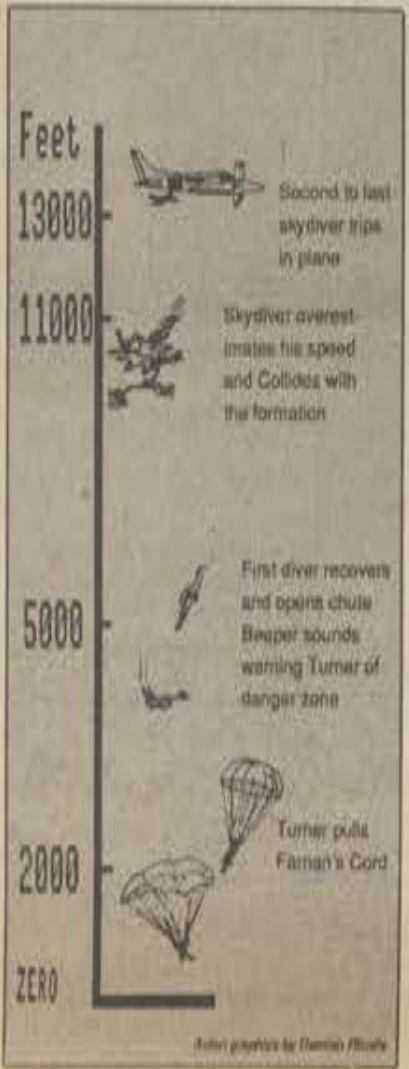
The group of 12 skydivers were going to practice a 12 point, star formation free fall for an upcoming Thanksgiving Day parachute competition. The skydivers exited the plane at 13,000 feet in two groups, Eddie Turner and his friend Frank Farnan were among the first group out.

As they linked up everything was going just as they had planned, that was until the next to last man out tripped and fell down in the aircraft.

After the skydiver who tripped left the plane, he accelerated his dive in order to catch up with the others. As the formation went through 11,000 feet the skydiver who was trying to catch up, misjudged his speed, and he struck Frank Farnan in the head with his leg and one other man as he passed through the formation.

Turner saw the two men fall out

of formation, but didn't think much of it, saying "that sort of thing happens all the time, as one guy gets



under another's air."

Turner noticed that the two men kept falling faster. He said, "I thought that one of them must be hurt," so Turner and two others tucked in their arms and legs and chased the other two down towards the Earth, diving head first. By 5,000 feet one man had recovered, but Farnan was tumbling "unconscious".

"I remember thinking, this guy's going to die, if someone doesn't get him," Turner said. He accelerated as fast as he could, about 200 miles and hour, in a desperate attempt to reach Farnan. Turner said, "He was upside-down, his arms and legs were flapping all over and he was spinning down wildly." The two men were only a few seconds from impact with the Earth below.

Turner later recalled, "Just as I went toward him, my beeper went off." The two men had only ten seconds left.

"I was in the danger zone. I knew it was time to open my parachute, but all I could think about was grabbing Farnan's rip cord." At just under 2,000 feet, Turner reached Farnan's rip cord. He pulled it and then his own without a second look to see if his friend was safe.

After Turner got himself under control, he looked over to see Farnan floating unconscious in his parachute. He yelled the rest of the way down, "Call an ambulance."

see PARACHUTIST, page 9

# Future bright as past and present history of computer lab analyzed

by Robert Sarkisian  
Special to the Avion

The Embry Riddle Academic Computer Lab is located in C building and is open for the use of any ERAU student, faculty or staff member.

The Computer Lab opens Sunday at 1 p.m. and does not close until Friday night at 8 p.m. On Saturday, the hours are 9 a.m. to 8 p.m.

The Academic Computer Lab has come a long way. Last year, there were two small labs: the student lab accommodating 37 Personal Computers (PC's) and a faculty lab containing only nine PC's.

The Computer Lab now has 94 computers, most having access to a printer.

The Computer Lab has an IBM 4361 Mainframe which has 20 stations on it serving also the Engineering Building. These 20 computer terminals are used by students enrolled in courses using Cobol, Pascal, Fortran, and Database. An account is given to these students allowing them a private password to

log on the system.

The lab also has a token ring network which has 25 stations. These computers are set up in a classroom on the south side of the lab.

These computers allow students to use programs which are already stored in them. Students only need a data disk to store their work on. All of these computers are connected to a printer.

The lab also has a PC Network which has the same options as the token ring. There are nine stations and they, too, are all connected to a printer. These computers have two 3 1/2 inch drives.

Additionally, the lab has 39 new IBM PS-2 Model 30's, 11 of which have color monitors for students enrolled in courses requiring the use of color graphics. The lab also has one computer Scantron station.

The lab personnel are making students aware that the new 3 1/2 inch discs, as compared to the floppy 5 1/4 inch discs, are more durable, easier to handle, last twice as long, hold twice as much infor-

mation and are the newest standard in computer technology.

Hence, all of the IBM standard PC's that had originally dual 5 1/4 inch drives will be updated to one 5 1/4 and one 3 1/2 inch disc drive. This allows converting between the two different size discs.

The Computer Lab has software that students can check out while in the lab. Software such as DOS, Wordstar, Lotus, Turbo Pascal, Turbo Prolog, Macro Assembler, True Basic, Typing Master, Typing Tutor, DBase and Easywriter are available.

All students, faculty or staff members wanting to work in the lab will be required to check-in at the Lab Monitor's desk. Individuals will be required to present a valid ERAU ID card with a barcode on the back. Any individual who does not have a barcode or has a worn, damaged one on his/her ID can get a new one in the library.

Lab assistants are on duty from 7 a.m. to 12 midnight and are there to assist you. Robert Edminston, a Computer Lab Assistant, says he does not mind questions at all. He would appreciate it though, if students try to find the answers to questions in their text book first.

"The assistants are not here to do student's programs or do-bug them, we are here for syntax errors, compiler errors, printer problems, computer failures, and any other small problems a student might have. It is a good idea for the student to bring the printed program to the assistant if he or she needs help rather than having the assistant go to the computer the student is on," said Edminston.

Lab assistants wear blue vests and sit at a table where a sign above them on the wall says "Lab Assistants Here".

According to the lab staff, "Please take advantage of the Computer Lab. It is there for you. Do not be afraid or embarrassed, computers are not difficult to use if you give them a chance. Eventually in life, you will have no choice but to use one. Why not learn here? Learning is part of what college is all about."



Avion photo by Ken Steinhart

## Computation...

Ron Liston, Caroline Tetterton and Michael Zable collaborate at one of the 94 computers in the ERAU computer lab.

# Welcome To T.C.'s TOP DOG



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# Relocation plan released to students

by **Damian Rohde**  
Avion Staff Reporter

Last week the University announced to students in a release the construction completion schedule for the University Center addition and Phase 2 of the Jack R. Hunt Memorial Library. The release stated purposes and the uses for the new additions.

The new University Center (U.C.) will offer a new, expanded and improved Bookstore, a new Post Office with mailboxes inside, a new snackbar and gameroom with three private dining rooms, and a plaza for students located between the new bookstore and post office.

The library addition will add 13 study rooms, 8 seminar rooms and increase the seating capacity to 807 students. Also, additional shelving

to house the Bibliographic Instruction Room (BIR), and room for expected increases in books, over the next 10 years.

The University expects to begin moving Wednesday, Dec. 7, and completion of the move on the Dec. 22.

The pool facilities addition is expected to be completed on Jan. 10, 1989, and the remodeling for additional office space for the intramural and varsity sport programs.

The release stated, "An architect has been appointed to design the Airways Science Building to be constructed across Clyde Morris Boulevard."

It will be constructed next to the present Air Science Simulation Lab (ASSL) Building. Construction should be completed by the end of

1989 if there are not any delays due to specifications of the State of Florida, the landowner, or the FAA (the funding source).

This week the University released an update to the previous release. It explained the plans of the move more clearly for students, calling the moves "Plan Hopsotch".

The Records and Registration and Academic Evaluation offices will close on Wednesday, Dec. 7, so that it may move to their new location on the second floor of the UC addition.

The Bookstore and post office will be moving Friday, Dec. 9, and will open again Dec. 12. The mail boxes located between the UC and Dorms one and two will not be moved until Christmas Break so that mail flow to the students will not be discontinued.

The Student Financial Aid office will be located temporarily in Spruance Hall 118A to prepare for their final move into Spruance Hall 136 on Dec. 16.

The Jack R. Hunt Memorial Library will open Phase Two with the beginning of the Spring '89 term. It plans to re-organize over the holidays.

The University states the early moves are necessary to allow for it to open for business in the Spring term of 1989.

"The plan was drawn as carefully as possible to minimize inconvenience and we (the University) apologizes for any which result."

## Student Government Association

by **Glenn Gougler**  
Student Government Association

As a student representative who is on the building and grounds committee, I am excited. I am excited not only for myself, but for the future student body of Embry-Riddle. I have just taken a tour of the present construction on the campus.

The design of the mail room should benefit students in two ways. First of all, the mail boxes will at long last be enclosed. Secondly, the mailboxes will be adjacent to the mail room which should provide easier and more rapid mail distribution for students.

The bookstore is very spacious. Hopefully, this will allow for a better flow of students at the beginning of the semester.

The addition to the U.C. is incredible. The dining area can accommodate an additional 200 people while including the capability for groups to reserve individual dining areas for 10-15 people. An individual arcade room will help reduce the noise level. A beautiful plaza area will provide a sunlit, yet sheltered, informal meeting place to relax.

The library will, at long last, satisfy the needs of the students. Group study areas, private study areas, private study rooms and more leisure room are all included with Phase Two, except windows. The reason for the lack of windows is because Phase Three will provide a second floor that will encompass the present addition.

see SGA, page 30



Avion photo by Staff

**University Center expands...**

The new University Center expansion is nearing completion with Registration and Registration to move in this week. The architecture is tasteful, with large windows, plants and aesthetically pleasing landscaping.

# Believe it or not, varsity cheer-leading coming to ERAU

by **Ken Steinhart**  
Avion Campus News Editor

**Wanted: Varsity Cheerleaders for ERAU. Must have poise and grace, be outgoing and energetic, have lots of school spirit. Open to men and women.**

Yes, that's right. Embry-Riddle is getting a varsity cheerleading squad. Off-campus housing coordinator, Trudi Peckham, was approached recently by Dean of Student Affairs, Robert Rockott, about coaching and organizing a varsity cheerleading squad for ERAU.

Peckham was more than happy to accept the challenge.

When asked what she expected of her cheerleaders, Peckham said, "I'd like a group of students that show a lot of pride ... I'd like to see them set a shining example."

She added, "I'd like to see them get the students motivated, to get energized."

Peckham was enthusiastic about the future of ERAU's varsity cheerleading.

She said the squad would consist of ten members (six women and four men), a mascot and several

Formerly of Harvey High School, Carol Dean said, "I've heard some interest from a few girls, but I'm not sure that there would be enough interested talent to suffice."

in a positive way and make it an entire university."

"I feel, by having a cheerleading team, it will help increase the morale of the majority of the students," said student Scott Spaulding.

*"I don't think we need cheerleaders. The fans should go out there with a keg and cheer for their team!"*

--Tara McDonough

Mike-Men to sit in the stands and lead cheers.

Terry Newby, the cheerleading coach from DBCC will help Peckham set up the team and assist in judging the potential cheerleaders along with the coach from Stetson University.

Peckham declined to be involved in the judging in order "to make it fair."

She hopes the squad will be active by April 4, 1989.

However, as soon as the call went out for cheerleaders, Riddle students Kim Senisher and Christy Keith said, "Sign us up!"

When asked what she thought of the team, Aeronautical Science major Tara McDonough commented, "I don't think we need cheerleaders. The fans should just go out there with a keg and party and cheer for their team!"

Coach Peckham was looking to "channel their (the students) energy

When asked if he would be interested in becoming part of the squad, Spaulding exclaimed, "Yah ... especially to pick up the chicks."

Student Juan Valez said, "You gotta be kidding me!"

Although the mood of many of the students seemed cynical, the cheerleading squad will have a positive impact on the varsity sports.

"Everyone's excited," said Coach Peckham, "it will help channel energy in a positive way."

Varsity sports is currently looking for any interested men and women. Qualifications are limited to enthusiasm and great school spirit.

The deadline to sign up is Jan. 27, 1989. Varsity Sports urges all interested to show their spirit and get involved.

## SAFETY

(continued from page 4)

wards. There are extensive ground school, simulation, and actual performance requirements including regular medical reviews.

Aviation also has an excellent safety network which sets it apart from most other industries. "I have often been given updates on safety features of planes I fly, but rarely about any cars I have owned," said

Russo. This extensive safety network generated the voluminous regulations which govern aviation, the FARs.

"Where did most of the FARs come from?" asked Russo. "Most originated with an accident." Russo refers to them as "blood rules" because "blood was the price that was paid and people have paid the

price."

The message that Major James "Ross" Russo had for future aviation professionals at Embry-Riddle is clear, "If you see an unsafe condition or a rule being broken, it is your moral responsibility to say something. How many of you will do that for me?" Each person in the class held his hand high.

## PARACHUTIST

(continued from page 7)

Call a doctor!" Farnan was taken to a local hospital where it was discovered that he had suffered a concussion in the mishap. He later recalled, "I don't remember anything. I was like a rag doll out there. It's a miracle."

Both Turner and Farnan took part in the Thanksgiving Day competition. During the awards ceremony

they told of the adventure, and Turner was presented with a plaque for his heroism. The plaque was a finished piece of wood with Farnan's rip-cord mounted upon it.

"Fast Eddie" Turner, a 1977 ERAU graduate first got involved in skydiving while at Embry-Riddle. Turner was a member of the Embry-Riddle sky diving club and took part

in intercollegiate competition while with the club. At one event held in Deland, he took fifth place in the novice accuracy division.

Turner was an Air Force ROTC cadet and later became an F-4 instructor pilot in the Air National Guard. He is currently an MD-80 first officer with US Air and regularly takes part in skydiving competitions.

## LETTERS

(continued from page 2)

**Bogus Ticketing Policy**

To the Editor:

The school needs to review its traffic ticket policy.

I recently received a parking ticket for parking in a handicap zone for about 30 minutes, but was shocked to find that they charge you \$40.

The Daytona Beach police charge only \$32, so I wonder where the school gets the right to charge more.

I also found that people who do not have a parking sticker only pay \$10, but they take the parking spots of us who do have a sticker. That's how I ended up in a handicap space, anyways.

Also, people who park on the curb also get charged only \$10, and they

make maneuvering in the parking zones a complete hell.

I am not innocent, and I expected to pay if I got caught, but at least I didn't block anybody.

I think the fine should be the other way around, at least for first offenders (like me).

Bill DeBrauer  
Box 6717

## GRADUATION

(continued from page 1)

president's citation from the Air Traffic Control Association.

Witkin has received awards from the Flight Safety Foundation, TWA, and a presidential citation from the Air Traffic Control Association.

Witkin is a graduate of Harvard College and of the Columbia University Graduate School of Journalism.

Witkin was in the military from July 1941 to July 1945, serving first with the Coast Artillery. He then switched to the Air Force and served in 1944 as a B-24 pilot based in Italy. After 33 combat missions, he returned to the United States and subsequently left the service with the rank of Captain. He won the Disting-

uished Flying Cross and the Air Medal with five clusters.

Witkin is the editor of the book *The Challenge of the Spunkis* and he is a contributor to *The New York Times Book on Project Apollo*.

Embry-Riddle, on the recommendation of the Board of Trustees of the University will present the degree of Doctor of Aeronautical Science to Witkin at the commencement on Dec. 17, for his contributions to aviation.

Commencement ceremonies will begin at 10 a.m. at Peabody Auditorium, 600 Auditorium Blvd., across from the Ocean Center.

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