

10-14-1981

## Avion 1981-10-14

Embry-Riddle Aeronautical University

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# Regatta floats on Halifax



To the sound of the starter's whistle, the 9th Annual Riddle Regatta, sponsored by the Vets Club, got underway from the Banks of the Halifax River as over 60 entries vied for first place finishes in the three categories offered (1-3 person, 4-8 person, and drinking establishments). The first place finish for 1-3 person went to Jim Montgomery, "the Shark", winner for the fifth year in a row, with a time of 42 minutes.

The team category was won by the Vets' Club, their first - first place finish since the Regatta started, with a record time of 39 minutes. Among drinking establishments, Silver Bucket came in first, continuing their dominance from years past.

This year the proceeds of the Regatta were given to ICARE (Independent Child Abuse Relief Enterprises), which provides emergency shelter and aid for the victims of child abuse. Approximately \$1,000 was raised during the course of the day's events.

The Regatta generated a number of unusual designs this year, among

them a sailing ship, the "Carte Blanche", designed by a group of Engineering students, an aircraft carrier by Navy ROTC, a Coast Guard cutter, and a jet liner.

Entertainment at the finish line was provided by The Better Way, who helped generate a festive atmosphere for the large crowd which had gathered to watch the race.

The Regatta is the culmination of many months of planning and organizing, in order to bring it all off that one day. From securing a permit from the Coast Guard to hold the race, to determining how many napkins were to go with the food, numerous phone calls, letter writing, contacts, and arrangements were made.

In the end, the trophies are awarded, the rafts are deflated and the contestants depart...until next year.

See photo essay, pages 6 and 7.

Embry-Riddle Aeronautical University  
Daytona Beach, Florida

# The AVION

The Award-Winning Newspaper of College Aviation

October 14, 1981  
Volume 39 Issue 5

## Physical Plant begins construction on new service park

By Julien Oleon  
Avion Staff Reporter

After the ground breaking ceremony held August 12, the bulldozers cleared the area for the new service park to be located along Clyde Morris on the north side of the campus main entrance. Construction should start in a few days.

The decision of the county not to extend the existing lease on the barracks presently used on the administration side of the campus

made it necessary to start the \$300,000 project. The two planned buildings will be financed 100 percent by private contributions.

The service park as proposed in the original master plan had to be redesigned to a smaller and more efficient scale due to financial pressure. One of the buildings will house shipping, receiving, material services, and the international bookstore. Maintenance and vehicle services will be located in the second building.

The University is acting as

general contractor. According to T. Bruce Croft, Director of Plant and Facility Development, it should reduce the cost of the project by 20 percent. A construction management firm has been hired to take care of the administrative aspect of the job. Outside companies will act as subcontractors in each specific field.

The anticipated date of completion is February 22. The new facility will replace what Phil Bird, Director of Physical Plant, terms "the inadequate situation in which

Physical Plant is now operating".

"We are very anxious to move in," says Bird, "it will enable us to serve the campus in a better and more efficient way." Due to the fact that Physical Plant will be closer to the campus, the number of vehicles should be reduced and replaced by more economical Cushman tricycles. The response time of the maintenance crew for air-conditioning and other problems will be ameliorated.

Croft added that the library and new parking lots are also on the

plans for revision. A new library remains number one on the Daytona Beach campus plan. It will be located on the north side of the existing parking lot, between the academic complex and the flight line. The parking lot will disappear in a very near future—probably less than a year—to be

replaced by a pedestrian area. The new parking areas will be located on the perimeter of the campus and their capacity increased by 900 spaces.

Funds have been appropriated for the racquetball courts and construction should begin in December.

## Students here face increased aid cuts

By Max Corneau  
Avion Staff Reporter

As a result of increased federal spending cutbacks the students at Embry-Riddle face a need for financial aid. Thus we will probably see Embry-Riddle little affected by budget cuts unlike low cost, community colleges. There is some built-in equity in the financial aid system; just as individuals have different financial aid needs, individual institutions have different needs.

New guidelines have been set up for the Guaranteed Student Loan program. Next year's loan guidelines dictate that students whose family incomes exceed \$30,000 will be ineligible, except for needs evaluation. This is the primary cut made in the financial aid program. The base was set this year because in the past, government subsidized interest rates had amounted to phenomenal

For once, students at Riddle should be pleased at the school's relatively high cost. Because the budget is not extremely low, most Riddle students show a need for financial aid. Thus we will probably see Embry-Riddle little affected by budget cuts unlike low cost, community colleges. There is some built-in equity in the financial aid system; just as individuals have different financial aid needs, individual institutions have different needs.

The bottom line on the financial aid situation is that Embry-Riddle's students will be faced with a decrease in financial aid, however the decrease will not be as severe as many schools must deal with.

Next year's guidelines dictate that students whose family incomes exceed \$30,000 will be ineligible . . .

Known as the Omnibus Reconciliation Act, the budget cuts are basically across the board. Ms. Claudia Geary, Director of Financial Aid, says "that because the cuts are across the board they are not at all equitable."

formance jets.

Once again 2nd Lt. Graf was a distinguished graduate, graduating number two in his class and receiving the Air Training Command's Flying Training Award. When asked which classes at Riddle helped him the most, Capt. Graf replied, "Some of my better classes that helped me prepare were Meteorology, Basic Aerodynamics - taught by Mr. Kumpula, and the Navigation I and Nav. 2 classes.

Deciding to become an instructor pilot, 2nd Lt. Graf went to pilot instructor training at Randolph AFB where he spent 3 1/2 months in training.

Capt. Graf was an instructor pilot at Vance for 3-years.

Capt. Graf is currently stationed at See GRADUATE page 13

By Max Corneau

Avion Staff Reporter  
The 26th Annual Aircraft Owner's and Pilot's Association National Convention took place Oct. 6-10, in Orlando, Florida. Orlando was selected for this year's gathering because of its convention facilities and the proximity of the Orlando airport.



Paul Kully

This year's convention was located in two different Orlando locations. A static display of approximately 50 general aviation aircraft was located at Orlando International. Fifteen minutes away, at the Sheraton Twin Towers Convention Complex, over 155 individual displays representing

every imaginable aspect of general aviation were presented. There were also many AOPA sponsored safety and proficiency seminars held at the Towers.

Though the convention was held last week, Orlando was chosen for the 26th Annual Convention back in 1976.

There were an estimated 3,000 aircraft pilots and their guests accommodated at the Sheraton complex.

Back in 1956 the first AOPA convention was held in Biloxi, Mississippi. The philosophy behind having a national convention is not to sell products, rather to promote the industry as a whole. A particularly impressive display was sponsored by the Mooney Aircraft Company.

Paul Kully of Mooney, who is a 7-year veteran of the national conventions, said this year's convention was somewhat slower than he's seen in past years. According to Kully, this slowdown can be attributed to the general depression of the nation's economy and is a reflection of waning interest in general aviation. Kully stressed that Mooney and other manufacturers do not push sales at the convention, rather they try to promote general aviation products.

Harmon O. Prichard, Jr., Senior

Vice President of AOPA and this year's convention chairman provided The AVION with an interview at the convention.

Prichard seemed satisfied with this year's convention, noting a slight decline in attendance, probably due to the economy. Prichard noted that people who buy airplanes usually have enough



Harmon O. Prichard, Jr.

money so as not to be affected by a shifting economy.

Regarding Embry-Riddle, AOPA's senior VP said the association tries to work closely with the school.

It should be noted that Mr. Prichard said that the association does not single out Embry-Riddle

as a "solely aviation oriented school."

AOPA tries to work closely with all such schools to promote general aviation.

On the national news front, AOPA's position concerning the air traffic controllers strike was negative. AOPA takes the position

that the strike is illegal and backs President Reagan. The association feels the situation between PATCO and the federal government is labor/management, thus it does not deal with the problem.

One of AOPA's most outstanding aspects is the very powerful political lobby it has in support of general aviation. An example of the power AOPA wields is illustrated by a recent proposal by FAA administrator J. Lynn Helms to close certain centers to IFR general aviation operations. The proposal was withdrawn by the administrator the same day it was proposed as a result of AOPA pressure.

Next year's AOPA convention will be held in Las Vegas, Nevada.

## Riddle alumnus returns to flight line in T 37

By Randy Bloom

Avion Staff Reporter  
"My main reason for joining the Air Force was that I wanted eventually to go into commercial aviation, and I knew when I graduated from Embry-Riddle I basically had two choices. I could go the corporate route and build my hours up that way or join the Air Force." This statement was made by Captain Chuck Graf, a 1975 graduate of Embry-Riddle, who returned this month to tell of his experiences and to enlighten students on the Air Force.

Training and lifestyle were also determining factors in Capt. Graf's decision.

Capt. Graf was born and raised in Daytona Beach. He entered the Air Science program at Riddle in

the Fall of 1971. He remained in Air Science until his funds ran out, then switched first to Management then to Air Studies. When AFROTC began at Riddle in 1972 Chuck Graf was one of the first cadets in the program. Attending summer camp in 1973, Chuck earned the Commandant's award. When he arrived back at Riddle he received a two-year scholarship through ROTC.

Newly commissioned Second Lieutenant Graf graduated from Embry-Riddle as a Distinguished Graduate in AFROTC, and was one of six cadets chosen for flight training from Embry-Riddle. He went to Vance Air Force Base, Oklahoma, for undergraduate pilot training, where he spent a year learning how to fly high per-



Capt. Chuck Graf in his T 37.

(Photo: M. Shulman)

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# Flight Department dragging heels

EDITORIAL

In the past, E-RAU's flight department have succeeded in attaining the reputation of being able to produce a professional, well-rounded and meticulously trained pilot. However, the fall trimester of 1981 has proven to hold the potential of a major setback for the current breed of tomorrow's military, corporate, commuter and airline pilot.

A growing concern is emanating from many E-RAU pilots, because of the flight division's failure to provide them with flight instructors. A great number of students have paid a lot of money for flight courses only to be told there are no flight instructors available.

These dollars could be put to much better use collecting interest in a savings account or in the 16 percent plus money market, rather than sitting idly in an Embry-Riddle account. E-RAU would be neither willing nor able to deal with the financial suggestions mentioned here.

"You should be getting a flight instructor any day now" is a phrase that has worn out its welcome at the flight line. The same disheartening story continues to resurface among much of the E-RAU pilot population. The neglected group, on the whole, has expressed a desire to sit in the classrooms with administration and someone else willing to listen in hopes of resolving the situation.

What does the flight division plan to do with the imminent flight student traffic jam that will result when the 'B' term students show up for flight instructor assignments? Perhaps this situation explains why incoming flight students must now sign a contract stating they won't leave right after completion of final exams.

Thoughts of winding part of Christmas vacation in a Cessna 172 or Piper Seminole, cranning as many lessons in a day as possible to finish a flight course does not paint a pretty picture. Forced flight training is not conducive to a well run and professional approach to the building of a commercial pilot.

Has Embry-Riddle taken on too many Aeronautical Science students and overstended the capabilities of the flight division to adequately handle them? Or have they simply neglected a bad situation hoping it will remedy itself.

Whatever the reasons may be it is now academic. The problem must be identified and solved by the administration, and executed by the flight department.

E-RAU pilots pay a very high price for a special commodity and it's time for them to receive their money's worth. The "Riddle Run-around" is a term that should not be associated with E-RAU's handling of flight students in any way, shape or form here at the "Harvard of Aviation."

# Student security for movies, a hornet's nest of trouble

EDITORIAL

Because of the somewhat unifying behavior by students at the movies "Caddyshack" and "Animal House," the possibility of creating a student security force to patrol the U.C. during movies is now being contemplated.

This is dangerous. Students, or anybody for that matter, that have not been instructed in the nuances and procedures involved in security and crowd control should not be allowed to undertake such responsibilities.

The Entertainment Committee, under Dave D'Amico, is pushing the idea for student security. The Committee is upset, and understandably so, about student conduct at last week's movies. The students acted deplorably, no doubt, but the answer isn't in students patrolling the U.C.

Forming a student security force would open a hornet's nest that this school should not involve itself in. Just where would these security agents' authority end? Could students be expected to tell roommates, friends and so on that they can not let them bring beer into the U.C.?

How would these students be selected? Who would set the criteria? More importantly, students are not trained in security measures. There must be an amount of crowd control schooling and concentration on crowd psychology before someone can be expected to efficiently police others.

The school has an effective staff of security personnel who are paid to enforce school policy. If this is understood, as they claim to be, then the administration should appropriate the necessary funds to bring extra help on movie nights.

Before the SGA votes on the matter of student security it had better consider the long range implications of their decision.

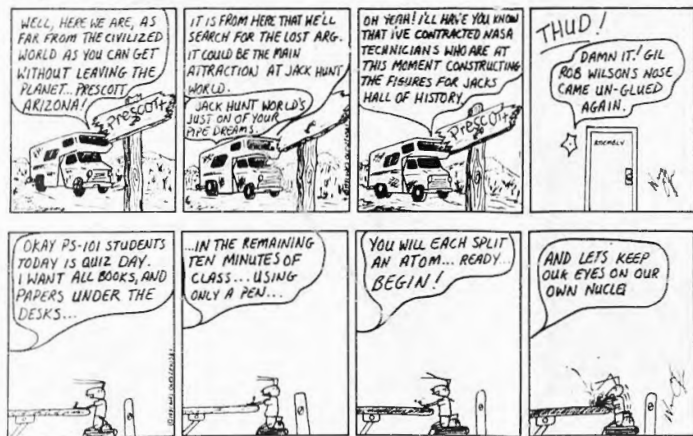
# President's Corner

The weight room may have few weights! Thanks to the close working relationship with the Director of Recreation, Mrs. Leslie Whitmer, Coach Art Trow, and the Student Government Association, the students' demand for improved exercise facilities are now being met. This is only the beginning, with the guidance and support of the Recreation Department, the SGA is now working on large scale athletic projects.

I would like to mention that the 1981, 1982 SGA is a project-oriented organization. If you have a project that you are willing to implement and carry through, whether it be in athletics, clubs and organizations, entertainment or any other area, the Student Government Association is there for your support.

Dan Goebel, SGA President

# Klyde Morris



# letters

## Cafeteria revisited

To the Editor:

I hear frequent complaints, at least one daily, about the terrible cafeteria food. "I'm tired, it must be the food!"

This letter is not to condemn the cafeteria food and not to berate the complaining student, but to suggest a resource.

The last three meetings of the Food Service Committee had no students in attendance. The Food Service Committee's function is to hear complaints, suggestions, and ideas about the cafeteria food. It meets every Monday at 3:30 p.m. in the Common Purpose Room and representatives of the cafeteria management, the University Center, Student Activities and Health Services are present. They are open to suggestions for improvement. Further information about these meetings can be obtained by contacting Dave Peters in the Student Government office.

In order to be heard, complain in the right place!

Nancy Stuber, Health Service

where you, I wouldn't want to abuse it; yet, I pick up an Avion and what do I see but ads!

In the last two issues, I personally know of eight articles and three pictures related to student activities that were not used (superbly due to lack of space). I appreciate the fact that you need the ads but you are a university paper. If space is critical, why in the world do you favor, as you did this past week, an article by Jack Anderson. Isn't such an article better placed in a city paper? Maybe it is time to re-assess who you are and what your readers are interested in.

Signed, Interested  
 EDITOR'S NOTE: Thank you for concern and interest in improving the AVION newspaper. However, we must remind all contributors that all letters to the Editor must also include the names and box numbers of those persons submitting articles. Without this information, letters will not be published. Names may be withheld upon request, but must be included on the copy. Thank you!

## Grading policy

To the Editor:

There has never been a standard grading policy imposed upon the faculty of the Aeronautical Science Department. Some faculty members use a seven percentage point scale to define letter grades; others use a ten point scale. Some use a variable scale using a larger spread for the "C" range.

Each faculty member constructs his grading scale according to his concepts of the practicability of

achieving a fair distribution of letter grades versus subject performance level. Many faculty members publish a grading scale as a guaranteed minimum for each letter grade step, but they often temper this by applying a normal probability curve, skewed or unskewed, to adjust this minimum downward.

Most faculty members who teach courses which qualify a student to take and pass an examination require a minimum grade of 70 percent in order to pass the course. However, there is no policy, written or oral, which influences any faculty member's grading policy in the Aeronautical Science Department.

Dr. Blackwell  
 Department Chairman  
 Aeronautical Science

## Fuchsel lauded

Open Letter to ERAU

In the past three months, I have had the pleasure of working with Klaus Fuchsel, a dorm representative on the Student Administrative Council. For personal reasons, Klaus had to respectfully submit his resignation from the Student Government Association. Klaus's enthusiasm and motivation was an overwhelming asset to the Student Government Association. Klaus's voice was respected as well as heard on university committees.

On behalf of the other members of the Student Administrative

Council and myself, Klaus, we would like to thank you for a job well done. Klaus, good luck from a close friend.  
 Dan Goebel  
 SGA President

## Pentagon cuts

To the Editor:

In reference to the Oct. 7 1981 issues, article "Where the Pentagon Can Make Its Best Cuts."

Have you ever read an article that makes you wonder what the writer is trying to imply? One that makes you stop doing homework and write one of your own? Or one that makes you think the military should be run by Riddle students instead of generals? I got that feeling reading this one.

Let me pick a couple of the suggestions the writer has made (equipment that was too costly and not needed) and give my interpretation.

The M-1 tank, why do we need it? The Soviet Union has over 40,000 tanks! The U.S. has under 4,000. I guess the soldiers want a ride instead of walking. The cost is high, so is chewing gum but it's a much needed tank. According to the generals of course. When the tank first came out it broke down a lot. The major problems have been solved, but even then, that is no reason to just throw it away.

The Trident nuclear submarine. We don't need a submarine. The Soviet Union has the largest navy

See LETTERS page 13

was oleszewski



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# Volunteer work is tax deductible



By Doc Horwitz

## YOU CAN DEDUCT OUT OF POCKET EXPENSES INCURRED IN CONNECTION WITH VOLUNTEER WORK:

Although the hours you spend on your favorite philanthropy won't earn you a charitable deduction on income tax returns, your own outlays for, say, telephone, postage, uniform costs, and travel will. And, if volunteer work keeps you away from home overnight, you may be able to deduct meals and lodging too.

**SECOND OR THIRD MARRIAGES** have no more chance of success than the first. Long odds: Two divorced people who have yet

to learn why their previous marriages did not work. Longer odds: Women who leave their husbands for someone supposedly more thrilling but of the same age usually discover the new mate to be no more exciting than the first. Longest odds: Women and younger men. Best chance of success: A divorced person who marries a widow or widower.

**WHY MARRY?** Companionship was mentioned most by both men and women in a recent survey. They want the closeness of a committed relationship. Other reasons: Disillusionment with the singles rat race. The desire to raise children. Love and a commitment to growing together in continued intimacy. Surprise: Those most confident about the success of a marriage are those who are already divorced.

**AGE AND SMARTS:** Students and elderly people at Cambridge University were tested on mental abilities. Included: Reaction times, memory, fluency and concentration. Most of the elders placed below the students, but 10 to 15 percent fared as well as or better than the young. Those who did

best were physically and mentally active. Probable cause of most mental decline: Hardening of the arteries.

**VIDEO-CASSETTE PROBLEM:** Manufacturers are undecided whether to pursue the boom for current machines that use 1/2-inch tape or to go with the new portable machines. New designs already unveiled use 1/4-inch tape. Problem: The new systems are incompatible with the old. Because of expensive retooling, the 1/4-inch variety may not be commercially available until late 1985. Trap: Obsolescence of 1/2-inch tape machine production.

**JEALOUSLY:** Is not a single, simple emotion, but a mix of thoughts and actions. Prime candidates: Those intent on keeping a relationship exclusive and isolated, also, those who doubt their adequacy as a partner. Insight: Romantics are most often associated with jealousy, but studies show that those who view love cynically are just as likely to be jealous.

**Communicating for the Bashful:** Making conversation

can be excruciating for shy people. One solution is to let body language do most of the talking for you. To let the other person know you are friendly and attentive, use:

**FACE:** Smile, maintain eye contact, nod to show you are interested. **BODY:** Open up by uncrossing arms and legs and turning toward the speaker. These signals indicate you are relaxed and receptive. **LEANS:** Slightly forward suggests your willingness to engage in the conversation. **TOUCH:** An appropriate, occasional touching of the other person's arm is usually acceptable and it conveys your willingness to sustain the dialogue.

**HOBBIES:** Cassettes for car listening on stereo or factory-installed car dealer systems are prone to sound lifelike, even though they may be good in the living room. To compensate: Use a chromium oxide tape and record it with Dolby noise reduction. Play it back without Dolby or the special hammock above creek bottom lands. And the homes! Spacious two and three-bedroom golf villas with their own tie-down area. Open and airy with luxury features as distinctive as their design. Condominiums with plane ports. Large lawns, fountains and water overlook lots for custom building. Low. Away from crowds and traffic; but conveniently located to shopping, family activities, and Daytona's famous beach. But come see for yourself! Take I-95 south to the Port Orange exit, then west two miles.

**POSTDATED CHECKS:** Postdating a check when written. Most recipients deposit postdated checks right away. Many banks cash them at once. If the check bounces, the person who wrote the check is liable, not the bank.

**Personal Taxes:** For couples who file joint returns, the general

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# SGA discusses security force

By Alexis Smolok  
Avion Staff Reporter

Last week's Student Government highlights included:

\*Behavior at school movies on Fri. day nights

\*Praise from Dean Rockett for the Entertainment Committee

\*Approval of the "Ninety-Nines" Club

\*Additional Parking Spaces Added

\*Possible Student Security Force

\*SGA Forum Follow-up

\*Postponement of Leadership Workshop

Dean Rockett opened the meeting congratulating the Entertainment Committee on their organization and the superior job that they are doing. Emphasizing the point that "more responsibility should be impressed upon the student during social functions at school." He also stated that a well-rounded entertainment schedule for all students should be top priority for the future....

The highly acclaimed E-RAU Leadership Workshop has been postponed from October 17th to

October 24th. This is due to the unavoidable absence of SGA President Dan Goebel....

The Ninety-Nines, an internationally known aviation oriented female organization was approved unanimously by the SGA for club status....

Possible improvements concerning the SGA-Administration Student Forum was discussed. Suggestions proclaiming that students are forced to watch the Forum because the event is held in the U.C. during lunchtime (the most populated time slot in one place on campus). Theoretically, more than half of the students would not show up if it were held in a different location, and a different time slot. Possible relocation for the next Forum (not yet scheduled) will be discussed at a later date....

Fifty new student Parking spaces have been added to the teachers parking lot on the north side of the Academic Complex.

No more cans, bottles or coolers will be allowed in the U.C. during movie viewing. This is a direct result of the horrendous behavior at the October 2nd showing of "Caddyshack" and "Animal House".

Will a Student Security Force evolve from the depths of an over-privileged professional security force? Inspired by the shining example of Stetson University, who has an entirely full student Security Force (except for the leader). Rising professional security costs have got the SGA contemplating such a force, but we emphasize that this is only in the talking stages for now....

See TAXES page 5

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WEDNESDAY	Baked Lasagna	INCLUDES:	Bread & Butter

# Student Court announces scholarship

By Earl Schuette, Chief Justice  
What has Student Government done for me? Ever heard that before?

Here's an answer. So LISTEN UP!

The Student Court, the judicial branch of the SGA, is pleased to announce the Student Court Scholarship. Every trimester, Student Court will be awarding three \$500 scholarships, beginning with this Fall.

As with all scholarships, there are certain guidelines. These are:

1. CGPA of 3.0 or better
2. Show financial need
3. Submit a one page, double spaced typed narrative, stating why you are pursuing higher education at E-RAU and why you should receive this award.

4. Must be a full-time student.
5. Must be in good standing with the Dean of Students Office.
6. Must have completed 57 credit hours and have attended E-RAU at least one trimester.

7. May not be awarded to an elected or appointed official of Student Government.
8. You may receive the award only once.

So if you feel you qualify, go to the Financial Aid office and pick up a Scholarship Application. Fill it out (front and back) and return to Financial Aid by October 16.

Good luck! Recipients will be notified through Financial Aid following final selection.

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## Baseball season coming down to the real playoffs

By David Frost  
Sports Editor

Baseball is finally getting down to business as four teams now work their way towards the fall classic. The Yankees, Expo's, A's, and the Dodgers have won their respective division playoffs. It's really hard to pick a clear cut choice out of these teams. The Expos seem to have a lot of momentum and this could be the one small edge that will be needed.

Only one team, the A's, won both ends of the split season and only one second season champion team, the Expos, have won an interdivision playoff. The pitchers have been very effective in that, except for the split season between the Dodgers and the Astros. The Dodgers had to comeback and win three straight games after losing the first two games in Houston. I only wonder if all the Astros were healthy for the series, if the outcome would have been the same. The Astros went into the series without two starting pitchers and lost their first baseman and best relief pitcher in the final two games.

One has to feel bewildered for the Cincinnati Reds and the St. Louis Cardinals. The Reds had the best record in baseball this year and the Cardinals had the best record in the National League Eastern division. The two teams just missed out on the split seasons first half championship and came close in the second half. I feel no sympathy for them for they helped create their own circumstance by going out on strike. Also, they knew what the new rules were when they resumed play after the strike. The second half division titles were for the taking to anyone who could win it. The Reds and Cards just didn't have enough to win. Sorry guys.

Looking at football real quick we see that Florida State has beaten another legendary team this past weekend. Notre Dame bit the bitter biscuit at the hands of the Seminoles in South Bend. They play undefeated Pitt next weekend. I just hope the bubble doesn't burst for Florida State.

I have a few closing comments concerning the intramural football referees. You guys have been doing a pretty good job so far but I would appreciate it if you guys learn the proper hand signals. Like two hands held straight in the air is a touchdown and not a touchback. If you guys are getting paid to do a job, then please do the whole job. Other than that, the calls have been called fair and accurate. Keep up the good job refs.



Berrie Meissell of Sigma Chi tries to elude two Brothers of the Wind defenders. The Brothers of the Wind won and remained undefeated. See other results below and standings on page 5.  
Photo: A. Mulk

The way I see it for the Fall Classic:

- National League  
Montreal Expos
- Los Angeles Dodgers
- American League  
Oakland A's
- New York Yankees

- cb  
expos
- Montreal Expos
- NY  
Yankees
- New York Yankees

## FOOTBALL

Results  
Flag Football Schedule Sunday  
October 11, 1981  
Field A League  
2:00 Brothers of the Wind-20 over  
Sigma Chi-14  
3:00 Cast Raters-28 over Nads-6  
4:00 Orioles-19 over S.S. of the  
Border-0

Sigma Phi Delta draws a Bye  
Field B League  
2:00 Air Force 1-43 over Internal  
Combustion-0  
3:00 Flight Tech-31 over Local  
708-55-0  
North East Forty draws a Bye  
Steve's 69'ers draws a Bye  
Field C League  
2:00 Iron Fist-7 over Blue Devils-0  
(Forfeit)  
3:00 Pine Lakers-26 over Dallas  
Cowboys-12

4:00 Pink Panthers-26 over  
Eagles-0  
Uhn draws a Bye  
Field D League  
4:00 Organized Crime-42 over Ras  
Crew-0 (played on Field B)  
5:00 Vets-19 over Super Studs-18  
(Played on Field B)  
5:00 Blue Machine-26 over  
Ripsters-19 (Played on Field A)  
Lambda Chi Alpha draws a bye  
This Sat and Sun there is a state  
flag football tournament being  
held next to our fields. Be sure you  
are in the right spot at the right  
time. Game time is forfeit time, so  
leave early enough to be there at  
the schedule time.  
Football Schedule for Sunday, Oct-  
ober 18, 1981  
Field A League  
2:00 Brothers of the Wind vs.  
Nads  
3:00 S.S. of the Border vs. Cast  
Raters  
4:00 Sigma Phi Delta vs. Orioles  
5:00 Sigma Chi draws a Bye  
Field B League  
2:00 Flight Tech draws a Bye  
3:00 N.E. Forty draws a Bye  
4:00 Steve's 69'ers vs. Air Force I  
5:00 Internal Combustion vs.  
Local 708-55  
Field C League  
2:00 Iron Fist vs. Pink Panthers  
3:00 Pine Lakers draws a Bye  
4:00 Eagles draws a Bye  
5:00 U.H.N. vs. Dallas cowboys  
Field D League  
2:00 Organized Crime vs. Lambda  
Chi  
3:00 Super Studs draws a bye  
4:00 R.A.'s Crew vs. Ripsters  
5:00 Blue Machine vs. Vets  
The single eliminatic<sup>n</sup> Tourna-  
ment will start Sunday, November  
1st

## Five teams still undefeated

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See STANDINGS. Page 5

**Tim Henderson**

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League Standings

Field A	Win	Lose	Tie
Brothers of the Wind	5	0	0
Orioles	3	2	0
Cast Raters	4	1	0
S.S. of the Border	2	3	0
Sigma Phi Delta	0	4	0
Nads	2	3	0
Sigma Chi	3	2	0
<b>Field B</b>			
Air Force 1	5	0	0
Flight Tech	4	1	0
Internal Combustion	3	2	0
Local 708-55	3	2	0
North East 40	0	4	0
Steve's 69'ers	0	4	0
<b>Field C</b>			
Iron Fist	5	0	0
Pink Panthers	5	0	0
Pine Lakers	4	1	0
Dallas Cowboys	2	3	0
U.H.N.	1	3	0
Eagles	1	4	0
<b>Field D</b>			
Vets Club	5	0	0
Organized Crime	4	1	0
Riputers	4	1	0
Blue Machine	3	2	0
Super Studs	2	3	0
Lambda Chi Alpha	0	2	0
RAS Crew	0	4	1



Tammy Webb rolls high game and high series

By Bryan Maguire  
League Secretary  
On Monday, October 5, Ken Clark took men's high game with a 214. Earl "6 Pin" Schuette came in second with a 211. Third place was taken by Kevin Pasternack of SnowBlind with a 203.  
Women's high game and overall winner was won by Tammy Webb with a 215. She also took second with a 190. Debi D'Alexander came in third with a 185.

Mens' high series also went to Ken Clark with a 578. George Kayati won second with a 539. And again, third place was won by Kevin Pasternack with a 533.

Women's high series was won by Tammy Webb with a high 581. Julie Rankin came in second with a 460. Third place was won by Sue Dougherty with a 449.

Team standings are as follows:  
Slow Leak.....1695-317-9206  
Bizarro 4.....13-7-8751  
B's Ben Baster's.....13-7-7934  
Merle's Mudhalls.....13-7-6935  
Kilgore Trout.....12-8-9667  
SnowBlind.....12-8-8562  
Wind Hope.....12-8-8562  
BH's.....11-9-9705  
Head Till They're Dead..11-9-8891

See BOWL page 13

BENCHWARMER'S SPORTS TRIVA

When was the first major league baseball game televised?



Triva answer on page 10

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Racing news

Five drivers break money mark in 81

For the second year in a row, three drivers have won at least \$100,000 in events at Daytona International Speedway. Current Winston Cup point leader and money winner Bobby Allison heads the list, despite the fact he didn't win any of the three major events (Busch Clash, Daytona 500 and Firecracker 400). Allison took home \$111,700 from Daytona races in 1981, followed by Daytona 500 winner Richard Petty at \$107,775 and Darrell Waltrip, the Busch Clash winner, at \$101,585. Buddy Baker set the record in 1980 by winning \$120,975.

Following a meeting of American Motorcyclist Association promoters in Columbus,

Ohio on August 26, the dates for the 1982 Cycle Week at Daytona International Speedway have been formally entered on the Winston Pro Series Calendar. The Date for the world's richest motorcycle race, The Daytona 200 is March 7 with March 1 slated as the official beginning of Cycle Week '82 and

the myriad of motorcycle competitions. "The Battle of the Twins" racing division will celebrate its first anniversary at Daytona International Speedway October 4 with an expected record turn-out. The class for twin cylinder motorcycles such as Harley-Davidson, Ducati,

Triumph, BMW, Norton and Moto Guzzi are among the popular road machines competing in this growing category of racing. Also on the Daytona Pro-Am schedule is a full program of amateur, lightweight (250cc) and Superbike racing.

Taxes

(continued from page 3)

rule is that each is jointly liable for taxes on unreported income. Exception: A spouse who can prove he or she wasn't a party to the omission may be relieved of liability. Recent example: A pornographic bookstore owner's wife escaped liability. She proved that she took no part in her husband's business affairs and made no lavish expenditures and that her husband controlled all financial decisions.



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# AAS announces Bowl-a-thon

We of the Gill Robb Wilson Squadron, Arnold Air Society, have a saying that represents our attitude in everything we do. This saying is "Go for it" and this is exactly what we do.

At the beginning of the trimester we hosted our entire detachment of 380 cadets in one large "liquid lecture." "What's a liquid lecture?" you may ask. Well, it's simply a social get together where AFROTC cadets learn about Arnold Air Society and are provided with liquid refreshments (hence "liquid lecture"). Everyone has a great time while learning the ways of AAS.

"Go for it" doesn't stop there. In support of Arnold Air Society's national Cystic Fibrosis project, the GRW Squadron is promoting a Bowl-a-thon to benefit the Cystic Fibrosis Foundation. Young and old alike will participate in the event.

Another project of the GRW Squadron is our alumni newsletter. Thanks to the effort of AAS First Lieutenant David ... we have published the first edition of "The GRW Times." The early issues will be brief, but eventually we hope to restore contacts with nearly all of our Arnies wherever they may be.

Other GRW "Go for it!" projects include sponsoring a crime prevention lecture, helping start a student car pool program, operating an Armed Forces Museum, and our campus beautification projects. Our latest project was selling oysters and corn on the cob during Octoberfest. We made around \$100. And in the process had a lot of fun.

To the members of the Gill Robb Wilson Squadron, the meaning of "Go for it" goes beyond the meaning of the words themselves. To us the words represent a way of life. GO FOR IT!



Arnold Air Society breaks out the colors and dress blues for a recent social gathering. AAS photo

# L-5 club plans Fall activities

By Jeff Guzzetti

The E-RAU L-5 Aerospace Society is building up steam this Fall. We had a large crowd at last week's meeting and future plans and activities were discussed. A fascinating NASA film short on the Voyager 1 probe was then shown.

Some of the future activities that were discussed included the follow-

ing: Exhibiting the NASA Educational Van here on campus; sponsoring lectures by guest speakers i.e. Shuttle pilots, astronauts, or scientists; touring Cape Kennedy and the Daytona Beach planetarium; and viewing the second launch of the "Columbia."

The idea of having a scale model of the Space Shuttle in the U.C. was also tossed around.

Our club is a chapter of the National L-5 Society which is an elite pro-space organization devoted to the development of the resources in space. L-5 is a point in space where the gravity between the moon and earth cancel each other which produces a stationary orbit for space construction.

Our new Faculty Advisor is Mr. Peter LaRosa of the Management Department here at Riddle. Dues for our club are \$5.00 per trimester.

The L-5 Society will hold its next meeting TONIGHT at 7 in Room A-208 (above the Library). The agenda includes further discussion and planning of activities, and a NASA film will then be shown. The movie tonight will be on the landing tests of the Space Shuttle. So join in on the conquest of space. All are welcome.

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# Founder's Day Banquet a success

By Karter Larson

Last weekend Delta Chi experienced one of the best weekends ever. During the weekend, we were introduced to the true meaning of brotherhood. We were honored with the presence of many alumni who helped us party all weekend long. They came to Daytona to attend the Founder's Day Banquet

which was in their honor. These great men founded and helped us to grow here at Embry-Riddle.

The banquet was a great success with over one hundred Delta Chi and associates. After the dinner, many of us raided the Aku Tiki Lounge to show the Better Way some Delta Chi spirit.

This weekend we have a birth-

day party for brothers Tony, Brian, Tom and Carl. Happy Birthday.

Pretty soon, folks we should be having our famous Toga Party. There is no definite date set yet but it looks like it may fall around the weekend of the 23rd. So stay tuned.

# Raiders finish last in Regatta

By Cadet Cpt. Disantis

Congratulations to the MS 3 and 4's for their first place finish in the ROTC category at the ninth annual Riddle Regatta, and our condolences to the Raiders for their dead last finish. Rumors have it that the Raiders purposely came in last to pick up any stragglers.

Rumors were reinforced by fact when they actually did pick up a Straggler: Robbi Collins and her toga. Chivalry has not died. Once again, the Raiders sacrificed in the beginning, but prevailed in the end.

Not only did we have toe sharks in the water but we also had one

hawk in the air. Cadet Second Lieutenant Casey piloted a banner plane which helped inspire the two teams.

We appreciate the time and effort the ROTC Corps contributed toward this project. ARMY ROTC, Go Raiders.

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**Saturday Ladies Drink Free**  
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# Co-op Advisory Council elects qualified leaders

By Betty Lu Hawkins  
Secretary/Treasurer

The Co-op Advisory Council elected officers Wednesday for this semester. Our president is James McDede, our Vice-president is Wesley Goodman, and our Secretary/Treasurer is Betty Lou Hawkins.

Our meetings for this term will be held on Wednesdays at 5:30 p.m. Several co-op orientation

students who are considering going co-op in the spring.

If you have any questions about the co-op program, stop by the Career Center located upstairs in the U.C. between the Avon office and the Security office.

The Co-op Advisory Council had its second meeting this Wednesday, September 30. We got a lot of things accomplished, one of which was to make plans to get

the past to talk to classes. Maybe we'll be seeing you in some of your classes to let you know what co-op is all about.

Starting this week, we would like to add a new feature to our weekly article. We will be telling you about a few of our co-op students and their experience as a co-op student. This week we will be telling you about Jim McDede.

Jim is a senior in Aeronautical

co-op student with NASA at the Langley Research Center. From the Spring term of 1978 until Summer term of 1979, Jim alternated working one term and coming back to school the next term. His work at Langley included working on the F-18 wind tunnel test, wind tunnel design, and flight simulation navigation software verification for single pilot IFR research. Spring term of 1979 and 1980,

Johnson Space Center. He was the first E-RAU co-op student to work at JSC and he worked in the mission control center with the propulsion control group during the first space shuttle flight. His work included monitoring propulsion system temperatures while in orbit and during re-entry and landing. Jim also prepared procedures, systems drawings, and computer programs used during the mission.

Jim also accepted a job offer with NASA at the Lyndon B. Johnson Space Center as a Space Shuttle Flight Controller, Propulsion Section.

## Chess Club welcomes any new members

The Chess Club is looking for Chess players or people who are interested in learning the game. Meetings are held in the Common Purpose Room at 6:30 p.m. on Tuesdays. The Chess Club gives the beginner experience and the experienced a chance to prove it.

We welcome experienced players to join our Chess Team. Let your talent in Chess Competition receive its due reward; play to win!

# Angel Flight helps Cancer Society

By Karen Schneider, ANF 1 L1  
Information Officer

Last week was a busy one for the Flight. First of all, we finished our benefit for the American Cancer Society. Their office, located near the corner of Volusia and Beach, is a small store front that was in dire need of a new decorating scheme for the display windows.

The woman in charge had learned about Angel Flight through Jeff Barath, the Arnold Air Commander, and gave us a call for help. From what we were told the windows hadn't been changed in almost three years! So we went to work on being creative: adding new wall and floor covering, posters, pamphlets, T-shirts and more.

The end result was two beautiful windows. Nice job to all who helped and thank you to Ruth Sandeau who gave us the opportunity to be of service to her and the Cancer Society.

What does the American Cancer Society do? This chapter provides

many various services, such as information on early cancer warning signs and for patients and families on treatment, care and rehabilitation. They also have a free "loan closet" that includes bedpads, wheelchairs, wigs, etc. Free transportation is provided for

those who need it and much more. The Society needs volunteers. For those interested and will to offer some of your time and talent, please call 253-2506.

The Oktoberfest was a little disappointing this year because of the poor weather and small crowd.

However, the bands were good as usual and the Angels managed to turn a small profit by selling soda. Hopefully there'll be better luck for everyone next year.

God bless and congratulations to our inactive Angel, Lisa Poole, on her baptism. We love you!

# Sigs challenge Pledges in sports

Another week has passed and another week is history. Only 56 more days until the semester is history, but who's counting? Here now is the news of the week!

On Friday the brothers and pledges met on the basketball court to see who rules the hoops. As can be expected the brothers overwhelmed the pledges with superior strategy, a strong 13, an unshakable O, and an overall superior performance. Even though the pledges lost, there were no losers as both brothers and pledges got to know each other a little bit better, and

isn't that what it's all about?

On Saturday we held our Little Sister's Bash party at our house. Quite a few lovely young ladies attended, and it looks like another fine class of women to complement our already great bunch of L'l Sigmas.

On Sunday the Sigs took on the Brothers of the Wind in football, but came up short on the scoreboard 20-14. Look forward to another great game in the playoffs.

Things to look forward to are the Sig campout, Sig Newton's ap-

pearance, the White Rose, and finally graduation for some. Looking good, Sigs!

As a final note to the L'l Sigmas, the brothers would like to let you know that we really appreciate you all. Cheering us on during football games, bringing over snacks every once in a while, and making things a lot more pleasant around here. You gals are great.

That's all for this week. Hoping your news is good news, good day. Keep psyched guys, Aloha.

# Alpha Eta Rho places first in frats in Regatta

This last week has been one of non-stop activity, or so it seemed. Starting with last Wednesday, our volleyball team made a strong showing at the tournament. While not coming away with first place,

they did give one heck of an effort, and you can't ask for more.

Thursday saw the addition of one more new pledge to our class, so we'd like to extend a welcome to Debbie. That evening was spent

dancing the night away at the Aku Tiki, reestablishing an old AHP tradition. A great time was had by all, and through it a greater sense of belonging and brotherhood was created.

Saturday was the day we found out what some of our newer members were made out of, as they challenged sixty other entries in the Riddle Regatta! Just completing the Regatta is a challenge in itself. But we came through with flying paddles, beating the other fraternities who entered and finishing ninth or tenth overall. Afterward, we rested and recuperated at the Tiki again, capping off a long, hard, fun-filled day.

We finished the week with a get-together at KC's Sunday evening, unwinding from our exertions of the previous few days.

That pretty much covers it for this week. Keep up the spirit and hard work brothers. See you again tomorrow evening!

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That pretty much covers it for this week. Keep up the spirit and hard work brothers. See you again tomorrow evening!

# Embry-Riddle introduces a new club on campus-The Ninety Nines are here

By Julien P. Olson  
Last Tuesday, the SAC approved, at a wide majority, the constitution and by-laws of the Embry-Riddle Daytona Beach Chapter Ninety-Nines. This is the first time a Ninety-Nine chapter has been organized on a college campus.

Its first president was Amelia Earhart.

The purposes of the club is to engage in educational, charitable, and scientific activities; provide a close relationship between women pilots.

International women pilots club the Ninety-Nine was formed on November 2, 1929. It derives its name from the number of chartered members who organized

**CALENDAR OF EVENTS**  
By Cheryl Hutson  
Avion Staff Reporter

**WEDNESDAY, Oct. 14**  
Coffeehouse, U.C. - 8 p.m.  
L-5 Aerospace Society, A-208, 7 p.m.  
Brothers of the Wind Football practice - 6 p.m.  
Scuba Club, F/S - 6 p.m.  
"Alexander Nevsky" Movie classic, W-306, 7 p.m.

**THURSDAY, Oct. 15**  
Karate, CPR - 7 p.m.  
Windseekers Motorcycle Club - 7 p.m.  
Orthokeratology Lecture, UC - 7 p.m.

**FRIDAY, Oct. 16**  
Happy Hour, Pub - 4:30-6:30  
"Rough Cut" movie, UC - 8:30 p.m.  
Racquetball, DBCC - 4 p.m.

**SUNDAY, Oct. 18**  
BOW Meeting - 6 p.m.

**MONDAY, Oct. 19**  
Bowling League, LaPaloma Lanes - 9 p.m.  
Racquetball, DBCC - 4 p.m.

**TUESDAY, Oct. 20**  
Chess Club - 6:30 p.m.  
Karate - 7 p.m.

**WEDNESDAY, Oct. 21**  
L-5 Aerospace Society, A-208 - 7 p.m.  
"Modern Times" movie, W-306 - 7 p.m.  
Scuba Club, F/S - 6 p.m.  
DBCC Concert and Jazz Band, UC - Noon.  
[UC-University Center; F/S L-Faculty/ Staff Lounge; CPR-Common Purpose Room.]

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(Drinks ½ PRICE with ID)

Sunday Night—FREE KEG FOR ALL UNTIL GONE

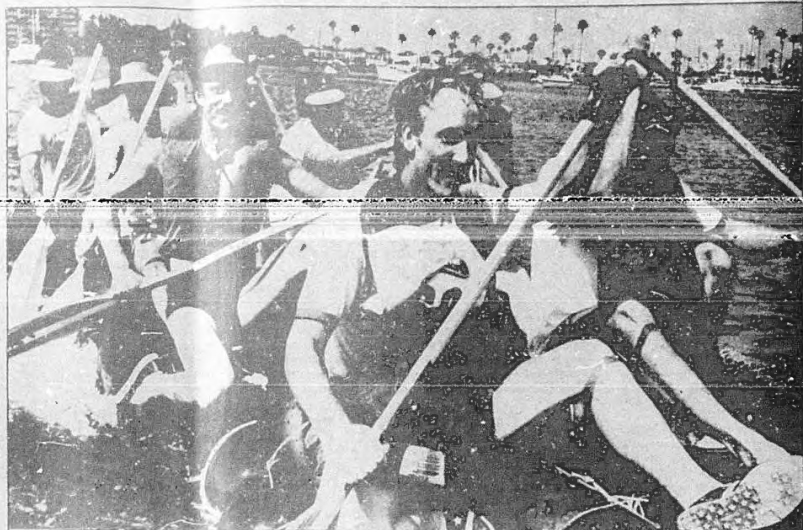
Unescorted LADIES DRINK FOR 50¢ 7 NIGHTS A WEEK

Monday Night—FOOTBALL SPECIAL  
—FREE PIZZA AT HALFTIME

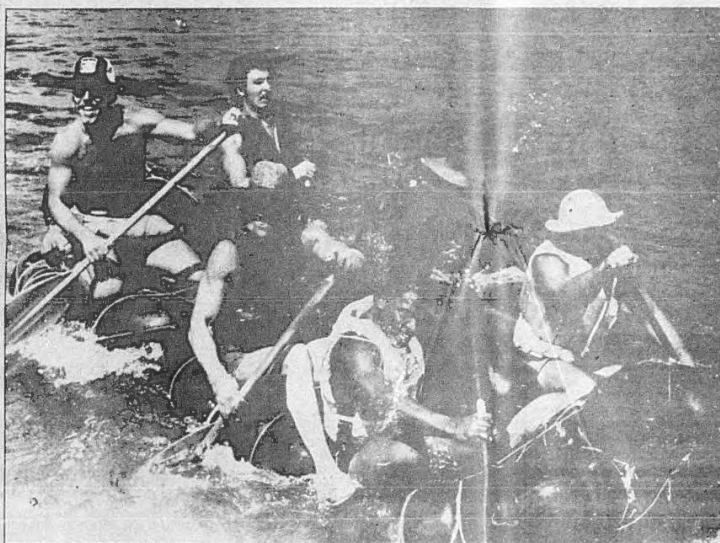
**LOOK FOR THE GIANT MAYAN INN SIGN**



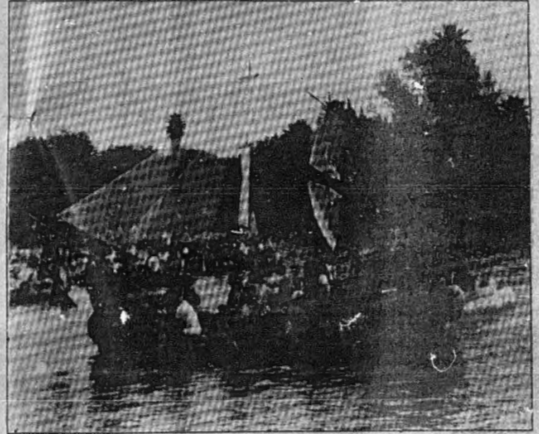
Pictured clockwise from right on page eight: The Vets Club, sponsors for the Regatta partake in their own race; Jim Montgomery, the famed "Shark", fights for his fifth straight victory; our own illustrious crew, the AVION, prepares for the long journey ahead; and The Daytona Beach Firefighters work hard to finish the race in record time.



Pictured clockwise from top left on page nine: An exhausted fireman collapses after the workout; four participants prepare to launch their craft, only Riddle engineers could design such a raft; the pre-race favorite to win, K-S; Vets club sets the new record time.



# Ninth Annual Riddle Regatta



# Speaker Bureau informs students

By Bill Fisher  
Avion Staff Reporter

This trimester finds the initiation of the Student Speakers Bureau. Comprised entirely of students, its objective will be to inform interested community organizations about all aspects of Embry-Riddle. The speakers will relate general information about the school or any school related information to the organization.

The creator and chairman, Randy Alexander said, "The need for such a group was expressed to me at a speech I gave for local businessmen. They were interested in the school and wanted to know more about its activities. The Student Speakers Bureau has evolved from that community interest."

Alexander said that the speaker, the school and the community will benefit from this program. "The

speaker will be in contact with the professional business community, in which he will eventually become a member. Through this contact he may develop his own personality, professionalism, and learn to interact with people on other than a scholastic level. "But," Randy said, "the greatest benefit realized by the speaker will be the development of self-confidence. A student who is confident and speaks confidently and openly, for this is one of the major aspects of a personality that prospective employers are looking for. Companies want not only people with the proper educational backgrounds but also with some tangible experience in business and social interaction."

"We think the student speakers Bureau can provide that experience. The community will benefit by a better understanding

of one of its largest businesses. The community is proud of the school because of its phenomenal growth rate and its renown as the world's leading aviation school. The school benefits by gaining visibility."

A recent appearance by Alexander and Ms. Laing on WESH's Midday program describing the new speakers program, is an example of the school's public relations efforts.

Speakers are considered on their performance in Communications III. They must be nominated by their Communications III teacher and must show a positive enthusiasm about Embry-Riddle.

The speakers are selected for a particular engagement by their experience in the area requested to speak on by the hosts. If a general topic is requested, speakers will alternately be selected. Once accepting an assignment, the speaker will research and write his own speech. The school administration will help only if requested by the speaker. All school audio-visual aids are available for the speaker's disposal.

Besides Randy, the bureau includes Laura Boeh, Randall Cohen, Chris Otis, Brett Richard, K.C. Silvers, C. Daniel Wood, Todd Dawkins and Patrick Caylor.

## Career Center offers help to all students

by Greg Patschek

I would like to take this time to welcome all students and to inform you of what we offer in the Career Center. We are here to help you explore your options while in school and after graduation. We can be of help whether you have your goals defined or you do not know where to begin.

Many students postpone their first visit because either they believe that they must have defined goals, or they believe there is nothing available for them in the Career Center. If you are not a frequent visitor you will never know what you have missed! Do not wait until your senior year. Start now.

In the office's resource collection, you will find most of the factual information you will need about further study and employ-

ment: standard reference books, books describing various careers, and brochures from employers. Information is also available on cooperative education, internships and other opportunities to help you explore careers and acquire experience.

If you are completely lost, come by and make an appointment to talk to a career counselor. Counseling often can help you acquire information about yourself; your strengths and weaknesses, interests and needs. It can help you clarify your goals and evaluate your options in relation to what you want for yourself. The process can be short or it may take several visits. It is best to start early.

Enjoy your year in school and avoid the Christmas rush, stop by to see what we can do for you!

## Upward Bound includes Parents in orientation

The Upward Bound Fall program began Oct. 13rd with an orientation for students and parents.

Upward Bound is sponsored by the University and is a federally funded program designed to help deserving high school students

upgrade their academic skills and prepare for college.

During the school year which has just begun, the Upward Bound students, approximately 70, will attend Saturday morning on-campus classes in Math, English, Reading and Science. On Saturday afternoons they will take part in projects such as model airplane and rocket building.

For six weeks each summer the students live on campus and attend classes in which they receive specialized instruction in Math, English, Reading, and Self Awareness/Study Skills. Also during the summer, the students take two flight trips to locations of career and educational interest. The on-campus summer program is intended to allow the students to experience first hand what it is like to live and learn on a college campus.

Fall 20-25 students finish the Upward Bound program and enter colleges all around the U.S. This Fall 24 seniors graduated from the program. Twenty-three entered college, and one elected to enter military service. One of the graduates this Fall is Mona Hawley, who entered Embry-Riddle in August in the Aeronautical Engineering Program. Mona is also a photographer for the AVION.

## notices

### Attention Graduates

ATTENTION: All APRIL '82 Graduating Students. A meeting will be held Monday, October 19th in W-306 at 5:30 p.m. Do you know who your graduation speaker is? This meeting will concern the graduation ceremony.

### FA102 simulator labs

Anyone who wants to register for FA 102-Simulator Lab, and has not previously registered, report to the Simulator Department, upstairs in D Building at the following times:

Monday Flight Students (0600-1330) report at 0900  
Afternoon Flight Students (1330-2100) report at 1500

### Prescott transfer deadlines

The last day to apply for a Prescott transfer is NOVEMBER 10, 1981. For more information call Pat Braberry at Ext. 1098. She will be glad to answer your questions.

ADVANCE REGISTRATION FOR SPRING 1982

Advisement period - Nov. 2 - Nov. 11

Advance Registration - Nov. 11 - Nov. 20

All students will receive an appointment notice in their ERAU mail box on or about November 2, 1981.

The appointment notice will indicate the registration date and time, as well as the advisor's name and location. Your advisor will assist you with the selection of your SPRING 1982 course schedule and sign the registration form. Bring the appointment notice together with the registration form to the registration area at your assigned time.

### discussion on Eckankar

The public is cordially invited to attend a free introductory discussion and film on "ECKANKAR - A Way of Life," at Daytona Beach Community College, Building 18, Room 121 Oct. 14 at 7 p.m.

This will be the first of a series of discussions on ECKANKAR. All attending will receive a free copy of "Your Right To Know" by Sri Darwin Gross. More information is available by calling 252-6152.

### Career Center attractions

Oct. 7-8  
United State Marine Corps Recruiting officer Candidates Oct. 8

Hewlett Packard Company Orlando, Fl.

Aeronautical Engineering and Aviation Computer Technicians - Prefer work experience with electronics or computer systems programming. Job openings in several US cities. Co-op and Permanent Placement.

Oct. 12

Sverdrup Technology, Inc. Orlando, Fl.

Aeronautical Engineers in propulsion, aerodynamics, thermodynamics, and environmental testing, research. US Citizens only.

US Patent & Trademark Office

Arlington, Va.

Patent Examiner - Aeronautical Engineers - An examiner analyzes the subject matter of the application for a patent and the prior art in the field and determines whether the claimed invention is patentable. US Citizens only.

Oct. 21

Eglin Air Force Base

Eglin AFB, Fl.

Aeronautical Engineers in research and development. US Citizens only.

FAA Technical Center

Atlantic City, NJ

Aeronautical Engineers - Co-op only - Various research and test projects concerning aircraft safety. On-base housing provided. US Citizens only.

Oct. 27

Afpro/Pratt & Whitney A/C Group

West Palm Beach, Fl.

Aerospace Engineer to work as a government engineer representing the government locally and the various procuring agencies. Particular general duties would be to stay abreast of program developments and to approve changes made by the contractor in his hardware, in his programs and their management. US Citizens only.

Oct. 28

Hamilton Standards/Houston

Houston, Tx.

Experimental/Test Engineers will be involved in all phases of test/troubleshooting and Astronaut training in the area of extra-vehicular activity life support systems. US Citizens only.

Oct. 29-30

Teleco Oilfield Services, Inc. Broussard, La.

Mechanical Technicians - will work with blueprints on hydraulic and electromechanical devices. Work consists of extensive component testing and is done in an environmentally controlled area. Military background or some other prior experience preferred. Aeronautical Engineers and Aircraft Engineering Technology.

### Trivia answer

Bucky Walters of the Cincinnati Reds won his 21st game of season, beating the Dodgers in Brooklyn 5-2 on Aug. 26, 1939 before first TV audience.

## Beautique UNISEX HAIR FASHIONS



SUPER CUTS FOR GUYS & GALS  
EVENINGS BY APPOINTMENT  
WALK INS WELCOME

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PROFESSIONAL CARE IS BEST FOR HAIR

FREE CONDITIONER WITH HAIRCUT & BLOWDRY WITH ERAU ID

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2267 S. RIDGEWOOD AVENUE, DAYTONA

OPPOSITE SAMBO'S

# CHAMPIONSHIP TAE KWON-DO EXHIBITION



ALL PROCEEDS DONATED TO Easter Seal Society

ADMISSION: \$5.00 Advance \$7.00 At door  
Children under 7, free with paid adult

TICKETS AND MORE INFORMATION AT: S. W. KONG'S TAE KWON DO 1111 Ridgewood Ave. Daytona Beach, FL 32207

Call Now 258-5153

USA NATIONAL TEAM CHAMPIONSHIP TITLE MATCH + MOST EXCITING COMPETITIONS

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- FEATURING
- S. W. KONG**  
11th DEGREE BLACKBELT  
FORMER ORIENTAL CHAMPION 1977-78  
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WORLD'S EXCEPTIONAL GREATEST DEMONSTRATOR  
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  - DEMONSTRATION BY SPECIAL GUESTS:
    - FORMER CAPT. OF NATIONAL CHAMPIONSHIP TEAM MASTER T. D. PARK
    - EXCITING POWER EXHIBITION! MASTER T. J. JEONG
    - CHAMPION OF REGIONAL IV AND T.O. COMMITTEE MASTER A. N. LEE
    - FORMER NATIONAL CHAMPION MASTER W. H. KONG
    - GREATEST SELF-DEFENSE EXHIBITION! MASTER H. W. RO
    - FORMER HEAD COACH OF VIETNAM NATIONAL CHAMPIONSHIP TEAM MASTER S. T. CHOE
    - HALL OF FAME IN KOREA 1972 MASTER Y. K. KIM
    - UNITED T.O. ASSOC. PRESIDENT - S. K. PAK
    - UNITED STATES A.A.U. T.O.D. VICE PRESIDENT - Y. H. JIN

SEE YOU

NOV. 7, 1981 - SAT. 7:00 P.M.  
Spruce Creek High School Gym

## WESTERN SIZZLIN STEAK HOUSE Fall Specials—

- 1) Chopped Sirloin
- 2) Sirloin Tips
- 3) Peppers & onions
- 4) Flounder Fillet

2.99 EACH

Above includes soup, salad bar, & potato  
FIRST BEER FREE Refills 25 cents each w/ Dinner Miller Draft limited to 4 refills  
7 Days a Week  
ERAU Students with ID  
1040 Mason Ave., Daytona Beach



miscellaneous for sale

DINETTE SET: Formica butcher block & chrome table & 4 chrome chairs. Excellent cond. \$125. Call Bob or Nancy after 1:00 p.m. 764-6898 or Call ext. 1055. ERAU Box D-119

FOR SALE: 25" color console. \$150. Two Ethan Allen endtables with lamps. ERAU Box 5555.

FURNITURE FOR SALE: Twin sleeper sofa \$50. Twin bed with box springs. \$75. 614-50-5000. Call: 255-9963.

SAFFERS: 67" Queen mattress, 300 full size piece, wicker, \$100. Call Scott 255-9811.

FOR SALE: 1979 Bahama proven Hobie 16 Fully race equipped & ready to sail, with trailer. \$2700 (negotiable). Contact Douglas Kane Box 2798.

COILD POSTERS of military aircraft: Each poster is approx. 21" x 42" suitable for framing. I have 30 the favorites: SR-71, F-4E, F-15, F-16, F-18, F-19, F-4U, F-8, A-1, A-7, A-10 and many more. Each poster is only \$1.00. Call after 6:00 p.m. Randy 761-1344.

SURF BOARDER MTR. Twin (in, 50, 80). Brand new, pump design on the bottom. \$250 in best offer. Call after 5:00 p.m. and ask for Chae. 254-1974.

QUEEN SIZE WATERBED with heater and headboard. \$175. Box 4165 or 679-5519.

FOR SALE - 30 Cal. M-2 carbine (Univer sal Firearms). 80 rounds fired with 13 round jungle clip with rubber silencer cap. Very good condition. \$105. Box 6743.

HOOVER VACUUM: Old but ticks & lifts like a champ. Cheap. \$15. Call 252-7622.

NOMAD SURFBOARD - 6ft. We spray for Good for a Board! Asking \$50 or make call. Brain 252-7922.

FOR SALE: 1950 Cessna 140 Pilotair. 100 mph. 5 gal. long range 42 gallon tank, clean aircraft, 100 SMOCH, \$8500. Call Phil at 253-9192 evenings.

AIRPLANE FOR SALE: 1966 AeroVee 4-cyl. 100 hp. 1971, new interior, metal prop, new tires, a real nice builder. Only \$1000. Call: 255-9016 or Box 4092.

ROLL BAR with KC Daylighters for small pickup or jeep. \$150. Box 4165 or 679-5519.

FOR SALE: Handheld scanner, Beavert 4.0 Thin-can 4 bands, 6 channels. With 8 police channels (Daytona, Sheriff, Intercity), rechargeable batteries, recharge case, rubber ducky antenna. Best offer. Place name and number in Box 5140.

USED BED and frame. \$40. 253-9156.

PHOTO FOR SALE: Praetoria 35mm with 50mm lens. Good condition. \$80 price include small table on tripod. Box 6747.

FOR SALE: Business typewriter, like new. Call Tom at 258-6878.

19" General Electric remote control TV. \$450.  
17" Sony Trinitron remote control TV. \$450.  
19" Onsen remote control TV. \$400.  
19" Zenith remote control TV. \$450.  
Assorted cassettes, receiver, turntable. Contact Box 6371.

CLEAN USED MATRESS set, \$45. Full Sleep Shop. 1650 N. Nova Rd., Holly Hill. 677-3752. One block north of Florida Ave. on Nova.

WANTED: A cheap, beat up Miata, \$300-500 range. If it can move under its own power or can be fixed to do so, we can make a deal. Contact Frank at 251-8037 or Box 5466.

FOR SALE: Full wet suit. Jacket, pants, & hood. 1/4 inch thick, used five times. \$130. Leave note in Box 5369.

WATERSKI: Jobe Honeycomb professional model. 65" long for \$300. New, good shape. \$150. Call 761-4538, ask for Dixon.

FOR SALE: Sears car top carrier, plastic, large size, \$45; Double bed spring and mattress, clean, \$115; 19" bw portable TV. \$50. Tel: 673-3134.

FURNITURE FOR SALE: Living room, bedroom, dining room. Double beds \$40 each. Call 253-3535.

COUCH \$50, large chair \$25, kitchen table with 6 chairs \$75, dresser with mirror \$45, vanity with mirror \$65, washer \$60, dryer \$60. (reecer 375). Call 258-5729.

FOR SALE: 25" color console TV with remote control, used 3 years. \$395. Tel: 673-3114.

FOR SALE: Waterbed. 7 months old. Excellent condition with 1 year warranty on mattress, incl. heater. \$1000. Contact Dave at Box 5214 or 764-6893 after 6pm.

FOR SALE: Head tennis racket. \$35 or best offer. Variety of rackets! \$2.50. \$3. \$2. \$2. \$1.80. Call for Barbra.

FOR SALE: Teles MBB-2000 headrest with boom mike. Like new. \$75. Call Todd at 258-0895.

FOR SALE: Engine parts from Kawasaki 950. Have more parts from stock 1975 engine. Leave a note in Box 6164 if interested.

FOR SALE: 1958 Chev. 211-7000 Tel: 200 (SARON). Cruise 419 at 761-2222. Contact: 1795. Miami Beach, Fla. (Tom, Stephen, E.L.T., E.G.T., etc.). Asking \$11,700. \$10,000 to appreciate. Pm: 736-119.

FOR SALE: 25" color TV, includes stand and rabbit ears antenna. \$50. A brand new sofa chair. Hard wood with renewable cushions. Never been used. \$35. Doug Anderson 258-1350.

Leather and suede jackets and slacks for men and women. Used, but in good condition. Call 255-7840 for details.

scribbles joe rossi



rooms for rent

HOUSE FOR SALE: Close to school, on per lot, 2 bedrooms, 1 bath, with patio, sun deck off bath. Wood floors, lots of glass, central air and heat. 2 car garage, large living room. Please call for more information. 258-8987.

FOR SALE: C-119 (1 contract): Cleanup used to immediately. Contact ERAU Box 6157 or stop by room 139 Dorm D.

Complex II contract for sale. ASAP. Terry McGovern, Box T-355 Bldg. 1657, Apt. 11.

ROOMMATE NEEDED: Female - 3 bedrooms, 2 bath house beach side. 1/3 utilities, \$150 rent deposit. Will consider male. 257-3458, Box 5955.

Female roommate needed. Beautiful, new luxurious townhouse. Fully carpeted, wood floors, & dishwasher. Fully furnished with modern furniture and a great Atmospherical atmosphere. Only 1.5 miles from school. Need your own bedroom set and you have your own room. Apartment is shared with two others. Your rent is \$130 monthly plus 1/3 utilities. Call 761-1894 mornings or evenings.

DORM II contract for sale. If interested call 257-1862. Ask for Chuck.

ROOMMATE WANTED, male to share apartment at Snappingfingers Woods. It is close to ERAU and has a pool and tennis courts. Rent is \$105 per month plus 1/3 utilities. Contact through ERAU Box 6439.

FOR SALE: Housing contract for Pine Lakes. Must sell immediately. \$200 or best offer. Call 758-9408.

ROOMMATES NEEDED: 3 bedrooms, 2 baths, 3 miles from school. Modern kitchen, tennis courts, 2 pools, laundry facilities. Rent is \$330 per month, plus 1/3 utilities. Rent is \$110 plus utilities. If interested, drop a note in Box C-122.

APARTMENT TO SHARE: I would like a NON-SMOKING, NON-DRINKING, 1 bedroom roommate. Rent \$150 per month. Security \$175. 1/3 electric, 1/3 phone 1/3 long distance, 1/3 HBO. Contact Matt at ERAU Box 7787 or 761-4731 after 5:00 p.m.

CONTRACT FOR SALE: Complex One. Female only. Contact Linda Scholtz, ERAU Box 3483 or 257-1131.

ROOM FOR RENT: Access to rest of house. Kitchen privileges and private bath. Air cond. heat supplied. All for \$180 per month. Only 4 miles from ERAU. Call 761-0893.

MASTER BEDROOM in 2 bedroom home for rent. Garage, Florida room, 1 1/2 bath, full kitchen, central air and heat. Duplex in Holly Hill area. Male or female. Call after 3:00 p.m. 253-5933 or Box 7512.

ROOM FOR RENT in a 2 bedroom apartment. \$190 per month \$100 dep. sec. & 1st and last months rent. Address: 302 Meadows Ct. #142 (Snappingfingers Woods) Box D216.

HOUSING CONTRACT for sale. Dorm II. Contact Mike Box 4306.

AUTO INSURANCE WE CAN SAVE YOU MONEY Auto Liability or No-Fault Insurance Auto - Motorcycle - Airplane PROTECT YOUR VALUABLES BURGULARY - ROBBERY COVERAGE \$1,000 COVERAGE - \$40 A Year Covers Personal Property (Stereo, Clothes, TV, Etc.) JOHNSON & JOHNSON INSURANCE AGENCY 570 N. Ridgewood Daytona Beach, FL 32014 255-4799

Shampoo, Haircut, and Blowdry - \$10 with ERAU I.D. STUDIO ONE HAIR DESIGN FREE BEER WINE 1351 Beville Rd. Foxboro Plaza Daytona Beach REDKEN BEAUTY THROUGH SCIENCE Phone 761-7227

PARROBOW'S food & spirits SOAPS & SUDS Watch your favorite SOAPS 2:00-4:30pm 50° BEER Daily Lunch Special \$2.50 Dinner Specials Nightly 1500 Volusia Ave. Next to Volusia Mall 255-5787 11am-1am Mon-Thurs 10:30am-2am Fri & Sat 10:30am-12am Sun

Home of Golden Rock & Roll Daytona Beach, Fla. NIGHTLY TWIST-LIMBO HULA HOOP CONTESTS 255-6421

The FAMOUS HOLE Sit & Lounge OPEN 12 noon 'til 3am 301 S. ATLANTIC AVE 255-6421

**ROOM FOR RENT:** Furnished 4 in 4 bedroom. Close, convenient, etc. \$125 per month. Call Rick at 258-5988 or Box 6173.

**ROOMMATE NEEDED:** to share expenses of house, located only 1 block from beach and beautiful. Rm's 1 1/2 of total. For more info please contact Rick at 258-5993 after 4:00 p.m.

**ROOM FOR RENT:** in 3 bedroom apartment. Nice location 4 miles from school on South Beach Strip. Complex has pool and tennis courts. Rent is \$120 1/3 utilities. Call 253-2250 or drop a note in Box 1341. Apartment is furnished except bedroom.

**FOR RENT:** One bedroom, one bath apartment at Cypress Village. 6 month or 1 year lease. \$240 per month. Visit and testimonials. Contact Rick at 253-6173.

**HOUSE FOR SALE:** Very close to school, 3 bedrooms, 2 baths, appliances, garage, large fenced yard, fruit trees, \$41,500. Call George at 258-5720 or Box 1273.

**Special Student Rates:** EFL - Color TV - Phone - Cable - Pool and all utilities on the ocean. 2 people \$125 per mo. each. Safari Beach Motel, 337 S. Atlantic Ave., Daytona Beach, FL 32108, 253-0571.

**HOUSING CONTRACT:** for sale. Pine Lakes Apt. Complex II. Contact David Wallenborn ERAU Box 7236. Ph. 788-9505.

**APT FOR RENT:** \$225 mo. 3 Utilities. 2 mi from school, 4 mi to the beach. Huge 2 bedroom apt., patio, many extras. Fully furnished if you want. \$350 a. Volusia Ave. 258-3094 or 253-2345.

**ROOMMATE WANTED:** Brand new 1 bedroom apt., secluded and 1 block from beach. Fully furnished, twin beds, fully equipped kitchen, air, color tv., plenty of space to park your car. \$175 per month including all utilities. Contact Jeff at Box 11228 or phone 761-5804.

**WANTED:** Roommate to share fully furnished home in Ormond Beach. Own bedroom, kitchen privileges 7 miles from school. \$175 per month. Utilities included. Call 673-4666.

**DORM II:** Contract for sale. If interested call 257-1862. Ask for Chuck.

**ROOMMATE WANTED:** No! Super nice house, two bath in quiet Holly Hill area, Daytona Ave. near 12th St. Rent approx. \$110 per month plus utilities. Must have first and last, phone and power deposit required. Call 677-8258. Require cash when move in. Cable TV & Show Time installed.

**ROOMMATE WANTED:** to share 2 bedroom, 2 bath condo. Fully furnished with many extras. Pool and tennis courts. 3 1/2 miles from ERAU. \$200 per month & 1/3 Utilities and lease. You must pay first and last month plus \$200 security. Call Luis at 258-8994 or drop a note in Box 7056.

**DORM I:** Contract for sale. Contact Box 4053.

**DORM I:** Contract for sale. Need to sell quickly. Contact at Box 5320.

**ROOMMATE WANTED:** 3 bedroom, 2 bath one mile from school. Have your own private room. Bed comes furnished with room. Call 258-5442 or Contact Mike or Carl through Box 6709.

Female looking for place to rent with other females only. Need something in Daytona Beach immediately!! Please call 355-9941 any time and ask for Tracy.

**miscellaneous**

**NEEDED:** Pilot or passenger to share expenses (\$275) on a flight to Michigan over Thanksgiving in a Piper Warrior. Pilot can fly as P.I.C. Call 258-7600.

**FLIGHT & GROUND INSTRUCTION:** Private-Commercial-Instrument. Call Doc at 788-4291 before noon or write ERAU Box 3774.

**AUTOMOTIVE MAINTENANCE:** Any type work. Any type car. Lowest rates available. Contact Kevin at 253-7565.

Tired of being broke or barely making do? Hiring ambitious people for part-time work. Incomes of \$500 weekly and up are average for our company. We train you and even pay you during this period. High potential for promotion. Car is needed. For more information call Tom at 767-4484 after 7:00 p.m. Don't pass this one up!

Student needs garage space to store motorcycle during Christmas break. Please contact Andy Fischer: Box 5392 as soon as possible.

**WANTED:** Want to buy 337 and from Remington brass. If you have some to sell, leave note in C201.

**WANTED:** frame and box spring for double bed. Ask for Eric. 253-8823 or Box 476.

**WANTED:** Vette mates - Vette owner is seeking photogenic women to pose in scenic photographs to be entered in National Sportscar Magazine competition. If interested, reply Box 7098, or phone 252-9132. Ask for Bert.

**FLIGHT INSTRUCTION:** Private, commercial, or instrument. \$6 per hour. Call Tony 258-1974 after 4:00 p.m.

**NEED HELP:** in MS 611 "Quantitative Methods" Call me 253-6149. David.

Need something moved? I have a flatbed car trailer and a van. If it needs to be moved, I can do it. Very reasonable rates! Contact Dennis Kik through ERAU Box 7085 or call 258-4545.

**HELICOPTER INSTRUCTORS:** Background in Flight and Ground Instruction - Familiar with light to medium Helicopters - part time during the week. Full time 2400 hours minimum instruction time. 500 hours - compensation surpasses the competition - locations 1 in Florida, 2 in Northeast U.S. Reply attention: Raymond C. Harbeck, Daytona Beach Aviation, 1225 Wildcat Drive, Daytona Beach, FL 32014.

**travel**

**WANTED:** RESPONSIBLE INTERNATIONAL student interest in coordinating a home-stay visit in Washington D.C. during break time. No pay but possible reduced air fare. Contact Charlotte Skinner at ext. 1077.

**NEED RIDE:** to Chicago area finals week. Will split or share exp. Trys Box T30 or 252-2277.

**NEED RIDE:** to Oswego, New York. Leave Dec 10. Will split costs. Contact Rick at Box T179 by Nov. 28.

**lost and found**

**FOUND:** AN AVIATOR and prescription glasses. Please contact to identify place of loss and identification of AVIATOR. Box 1077.

**FOUND:** TI-55 in bookstore. Owner must identify. See bookstore cashier for more information.

**LOST:** on 10/1/81. Pair of clear pilot prescription glasses. Lost around flightline. Call Carl Smeraldi 258-8366.

**LOST:** TI-30 calculator with blue case. October 6 in room B503 between 1530 and 1625. If found please contact ERAU Box 7466 or call 258-6721.

**FOUND:** in GRW complex. 3 pairs of prescription glasses. 1 set of keys (including motel key) with Camaro Skibum key chains (found in rm H120). 1 manual and 1 textbook for and Aeronautical Science course. Please see Cathy H. Kim Crist to claim.

**LOST:** Drafting kit. Contains compass set, templates, and pencils. Please contact Jerry Denver Box 6286. Reward!

**LOST:** A senior portrait of a student named George from Tracy. Was lost between the U.C. and Budkins. Anyone who finds it, please contact Paul. ERAU Box 7331 or Ph. 788-9556.

**personals**

Bob, It's not my fault... Well maybe. Little Crash

To NANCY TOPPING: the beer tasted really well after the race. Regards, The Sports Editor.

To The Girls in 239: keep your chicken medley to yourselves and Lisa, get some barfies. Love DAVE

**Soonfield:** What's happened you heavy groover? Been doing any heavy heavy D. Bigger family? Huh huh. Dr. Moonbeamer

David F. Peay, 1st. President Bonita Riders Driving Club next time you get the Firewood truck in the person's patch use a tow truck. The bumper blew King Knarf's rag off! It just hurt him up. An NO MORE WAR HOOKS!! Mr. Jagger

To the Kinknow Writer: How are you? Hey! I don't like the name without you. Miss Jay! The capitalist Brown's Maverick Girl.

To PINNIE: Sorry we did not hear from you last week. Your mother missed the show. The Great Dane is at the vet's. You always MACHD MEN.

**Graduate** (continued from page 1)

Peace AFB, New Hampshire, where he is a flight examiner in T37s. Capt. Graf is also involved with the accelerated co-pilot enrichment (ACE) program. The ACE program enables SAC co-pilots to qualify in T-37 and T-38 jets. After qualifying the co-pilots are allowed to check the planes out, and fly anywhere in the United States. The co-pilots are allowed a maximum of four days away.

When Capt. Graf's commitment is up he plans to leave the Air Force. Because commercial airlines are not too promising at the present, he hopes to fly with the Air National Guard until things pick up.

It has been six years since Chuck Graf graduated from E-RAU and when asked how he felt about Riddle then and now he replied, "I was fortunate to go to Riddle, because I am definitely interested in aviation and I wanted an aviation career. It didn't matter if I had to do the whole thing over again, everything from going to school here to going to the Air Force, I'd do it the same way."

Riddle's name has spread throughout the Aviation community. "When I first started traveling around the country, not too many people heard about Riddle, but now I swear, you start talking to people and Embry-Riddle comes up. It is really well

known not only with the people associated with aviation education but with people that fly airplanes and have any contact at all with aeronautics.

Embry-Riddle is a super school. If I had to do the whole thing over again, everything from going to school here to going to the Air Force, I'd do it the same way."

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**Bowl** (continued from page 5)

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**Letters** (continued from page 2)

in the world. So why waste money trying to stop them? By the way, the hundreds of cracks mentioned are actually a few cracks in the seals, not the structure. The sub has proved to be a very valuable and much needed vessel.

The writer claims to have seen "very secret emanates" of what a U.S. retaliatory strike would do to the Soviet Union. These estimates could not have been very secret if we saw them. I also find them somewhat inaccurate.

The writer failed to mention the high cost of the very controversial B-1 bomber, being reactivated. Like the others, do we really need it? After all the B-52 is only 20 to 26 years old, has a little faster than a zepplin, and is easy to hit in target practice.

From what I gather in the article, the writer hasn't been in the military. Otherwise he would know just how much of nothing the U.S. really has. The soldiers in Europe can tell you they are hurting. All the military stations in the US are

having trouble maintaining their antique equipment.

I wish I knew why the writer and others blame Reagan for the oil companies' actions. They blame him for the price of gas being \$1.22 a gallon, for regular. I didn't hear anyone blame Carter when the price rose from .53 cents to \$1.13. The Energy Department hasn't stopped the oil industry from doing anything they wanted.

In conclusion, let me leave on a happy note. Sleep tight America, your low cost, unbreakable, super-sonic B-17s and B-24s are coming back!

Steve Storale

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# Cold Weather provides diversified flying conditions

By Michael S. McMahon  
Aviation Safety Engineer

This article is designed as an outline to present a source of information on those items which affect the operations of personnel and equipment during cold weather. It may provide a guideline as to what to expect and what to avoid in preparing an aircraft for flight.

## ENVIRONMENTAL FACTORS

Problems during cold weather. It can be generated by the movement of the aircraft through the air, or by brushing snow and ice from aircraft surfaces. During refueling operations, it is extremely impor-

tant to properly ground the aircraft. Fuel and air mixtures are highly explosive and can be set off by a single spark of static electricity, therefore individuals engaged in refueling operations should discharge static charges built up in their bodies by touching a properly installed ground bonded surface.

Rapidly changing weather is by far the greatest hazard to cold weather flying for both the novice and the experienced pilot. Good weather briefing be a major part of preflight planning. While enroute, keep updated as much as possible on the latest weather developments.

Fog is always a major factor in

cold weather flying since rapid temperature changes associated with winter are ideally suited to the creation of fog.

The most hazardous environmental conditions should only be attempted with aircraft equipped for deicing or anti-icing of lifting surfaces and propellers.

## MAINTENANCE AND PREFLIGHT

There are many considerations that should be taken before any post-flight checks. Some things just cannot be checked until the aircraft is warmed up. Radios won't properly channelize on a new frequency until they have warmed up. The movement of controls and hydraulic system checks should be made only after warm up. Brittle seals may be broken if pressure is applied when cold. Oil or other fluid levels cannot be correctly checked until they are at the proper operating temperature. Check all levels at the post flight and add when needed. Care must

be used when climbing over icy aircraft as it is very easy to slip and fall.

You may expect vacuum-operated flight instruments (directional gyro, artificial horizon), to be unreliable because of increased bearing friction caused by very cold, congealed lubricants. You may use cabin heaters to keep flight and engine instruments at operating temperature; however, if you use them, you must weigh these factors and decide whether to continue.

During starting, oil pressure gauges will indicate maximum pressure. Also tachometers may indicate a lower than normal reading. The engine should be run at low RPM until operating limits have been reached. The warm up time required depends upon the outside air temperature.

Plastics may become brittle and crack when the aircraft is moved from inside a warm hangar to the outside. You should check for

freeze to the surfaces; and when moved, the tread may tear off.

Due to contractive and expansion of metals resulting from temperature extremes, hydraulic and pneumatic leaks may appear more frequently. Even though static leaks tend to disappear with increasing temperature, you must closely evaluate them to determine whether the aircraft is safe to fly. If a leak develops after warmup, it may disappear and will require maintenance.

Engine runups should be long enough to bring the engine up to operating temperature. Any shorter period will cause water vapor to condense. This water could freeze and split oil coolers, block oil lines, and increase the possibility of an engine failure. Always avoid short engine ground runups.

These points, if observed, will help you make a comfortable winter flight.

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# ROTC celebrates Army's 200 B'day

By Cadet Cpt. Disantis

Preparations are underway for the last major celebration in the nation's bicentennial, the Victory of Yorktown. The Army, throughout the nation, including the ROTC here at Embury-Riddle are going to join the celebration.

Yorktown, a small tobacco port on the York River in Virginia, was the scene for what has become known as the "final act" of the American Revolution. On October 19, 1781, Cornwallis' surrender to George Washington broke the spine of Britain's effort to maintain control over the American colonies.

Yes, the Victory at Yorktown marked the end. There was joy and gratitude plus sadness and prayer among those who won freedom for America. They had suffered inadequate clothing, insufficient food, pay and equipment. They met neglect and some disdain at the hands of their own countrymen. But they endured out of loyalty to their fellow soldiers and because they were dedicated to a cause and a country. While they could not erase the suffering, they did feel the chest-swelling pride that springs from the knowledge that they generated the spark of the "Spirit of Victory."

To the American and French soldiers who ignited that spirit two centuries ago—and to the American Army that has maintained it since—Americans should feel justly proud today.

But that pride should be tempered today with historical reality and regenerated by renewing a pledge. First, because the defense of our nation today depends in large measure upon close continuous cooperation with other free nations. It is very doubtful the continental Army could have defeated the British without

the vast assistance provided it and the nation by the French.

Second, the defense of America today depends really upon a significant and ready reserve of men and women soldiers in the Army National Guard and Army Reserve. It is doubtful the small and initially ill-prepared Continental Army could have emerged victorious without the assistance of volunteers or the resolve of the emerging nations citizenry.

Finally, because without renewing the pledge of the final line of the Declaration of Independence,

our nation's hard-won liberty, freedom and leadership could be threatened.

Soldiers of the Continental Army took that pledge, and they rededicated it in their victory. They gave life to the Declaration. They made it a document of meaning, of promise. It harnessed the forces of liberty the Declaration prompted, and it molded them into a form of government that provides Americans freedom, opportunity and equal justice under law.

# Low flight speed major cause of accidents

The National Transportation Safety Board reminded pilots today that accident statistics continue to show a recurring violation of a basic rule of flight—failure to maintain flying speed.

All pilots know that maintaining flight above stall speeds is fundamental to their safety. But, unfortunately, too many do not know, or forget, that the airspeed at which their aircraft will stall increased with a greater angle of bank or an increase in the gross weight of the aircraft.

In releasing Issue No. 3 of 1980 civil aviation "Briefs of Accidents," the Board cited 23 accidents in which the pilot's failure "to obtain/maintain flying speed" was a probable cause of the accident.

A typical profile of this type of accident as it appears in Brief No. 8 involved a Bellanca 7ECA which the Board said was "operated carelessly" after departure from Cherryfield, Me. airport. The pilot

was making a low pass over the area and then initiated a climbing steep turn, stalled and crashed. The pilot had a total of 560 hours of flight time—100 of those flight hours in a Bellanca.

The Board said its accident statistics show that a stall at low altitudes, such as the one encountered by the Bellanca pilot, generally results in an accident. To

prevent this type of accident, the Board again urged pilots to: **KEEP IN MIND CONSTANTLY THE NEED FOR SUFFICIENT AIRSPEED, NO MATTER WHAT THE DISTRACTION. TO FORGET OR IGNORE THE FUNDAMENTAL RULE IS TO NEEDLESSLY RISK YOUR SAFETY.**

## Weather-Related Accidents Challenge VFR Pilots

By Michael S. McMahon  
Aviation Safety Engineer

Every Fall and early Winter there occurs a string of weather-related accidents with pilots trying to fly VFR in or near IFR weather. You might say that being in VFR flight is like being pregnant—either you are or you aren't. Having only VFR minimums at takeoff is not enough. It usually gets worse as you go.

Most non-professional, non-instrument rated pilots need 3,000

feet and five miles to be safe. There are many general aviation pilots who are inclined to scoff at or ignore aviation forecasts, since on various occasions they have been provided with inaccurate information.

It is almost as bad for the pilot to have complete faith in weather forecasts as it is for him to have none at all. Pilots who understand both the information given and the limitations of weather observations and forecasts usually are the ones who make the most effective use of the weather service.

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