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E-RAU Spring Fling April 3rd

Embry-Riddle Aeronautical University
Daytona Beach, Florida



March 24, 1982
Volume 40 Issue 9

The Award-Winning Newspaper of College Aviation

Third launch successful

Space Shuttle Tested

By Gary Tarizzo

Avion Staff Reporter

The spirit of America reached a new high Monday with the successful launch of the space shuttle "Columbia." Commander Jack R. Lousma and Pilot C. Gordon Fullerton were launched aboard STS-3 (Space Transportation System) at 10:59:29 on Pad 39A at Kennedy Space Center.

The launch was delayed one hour due to an incorrect temperature gauge reading of a nitrogen cryogenic heater. The heater is a ground unit that heats the cryogenic gas prior to purging. (Purging is a prelaunch process to remove contaminants and toxic gases while maintaining proper temperatures and humidity levels in the propulsion system.)

Several minutes into the launch, one of the three auxiliary power units over-heated and was shut

down earlier than planned. The APU will not be needed until the shuttle's re-entry maneuvers back to earth.

The main objective of STS-3 concerns the capability of the shuttle's performance throughout its 7 day (115 orbit) mission. The Columbia will perform a variety of pitch, roll and yaw maneuvers compared to the first two launches orbiting in a continuous upside position. This will test the response of the Thermal Protection System (tiles) and payload bay doors during prolonged exposure to the sun.

The gripping and lifting mechanisms of the "Canadarm" will be tested during the deployment and retrieval of the "Induced Environment Contamination Monitor" and the "Plasma Diagnostic Package."

The Induced Environment Contamination Monitor will check for contaminants in and around the cargo bay area that might affect future payloads.

The Plasma Diagnostic Package will measure the electric and magnetic fields, the ion and electron densities and characteristics of the electron beam within 45 feet of the orbiter.

The experiments aboard STS-3 will help provide information for future payloads and the environmental conditions that will be encountered.

These experiments include the Microabrasion Foil Experiment, Plant Growth Unit Experiment, Solar Flare X-ray Polarimeter, Thermal Canister Experiment, Vehicle Charging and Potential Experiment, Getaway Special, Monodisperse Latex Reactor, Electrophoresis Test and the Heliflex Bioengineering Test.

The Microabrasion Foil Experiment that will measure the

number, chemistry and density of micro-meteorites encounter in near-earth orbit.

The Plant Growth Unit Experiment is designed to demonstrate the effect of near weightlessness on the rate of Lignin formation. (Carbon compound that provides strength and form in organisms.)

The Solar Flare X-ray Polarimeter will measure x-rays emitted during solar flare activities on the sun.

A Thermal Canister Experiment will provide information for future use in thermal designs of protecting instruments and equipment from the extreme temperatures in space.

The Vehicle Charging and Potential Experiment will measure the overall electrical characteristics of the shuttle in the ionosphere and space environment.

The Induced Environment Contamination Monitor will record and analyze the environment in the Getaway Canister for use in future with future shuttle missions.

The Monodisperse Latex Reactor is designed to study the feasibility of making monodisperse (identical size) polystyrene latex microspheres, which will have medical and industrial research applications.

The Electrophoresis Test will evaluate the feasibility of separating biological cells according to their surface electrical charge.

The Heliflex Bioengineering Test will determine the growth of dwarf sunflower plants in different soil moisture contents.

The turn-around time between launches has drastically improved from almost seven months after STS-1 to four months after STS-2. With this improvement in the turn-around time, NASA is looking towards a June 29, launch of STS-4.

Emergency procedures, pilot's responsibility

It has been said that if not for the excellent reliability of the general aircraft engine, aviation would not have undergone its tremendous growth. Statistically speaking, it is rare chance that an engine properly maintained and properly operated will ever let a pilot down, but an engine is a man-made mechanical contrivance thus the chance of failure does exist.

The National Transportation Safety Board recently completed a special study of emergency landing techniques in small fixed-wing aircraft. Interestingly enough, a major factor cited in this study was the psychological hazards that could interfere with a pilot's ability to act promptly and properly when faced with an emergency. The study revealed that some pilots are reluctant to accept an emergency situation.

The pilot who allows his mind to become paralyzed at the thought that his aircraft will be on the ground in a very short time, regardless of what he does or how, severely handicaps himself in his handling of the emergency.

An unconscious desire to delay this dreaded moment may lead to such errors as delay in the selection of the most suitable touchdown area within reach and indecision in general. Desperate attempts to correct whatever went wrong at the expense of aircraft control fall into the same category.

An overwhelming desire to save the aircraft is another hazardous

psychological factor that can result in disaster. A pilot who has been conditioned during his training to expect to find a relatively safe landing area whenever his instructor closed the throttle for a simulated forced landing may ignore all the basic rules of good airmanship to avoid a touchdown in terrain where aircraft damage is unavoidable.

Typical consequences are: making a 180° turn back to the runway when available altitude is insufficient, stretching the glide in order to get into a better looking field and accepting an approach and touchdown situation that leaves no margin for error.

The desire to save the aircraft regardless of the risks involved may be influenced by the certainty that an undamaged aircraft implies no bodily harm. To be realistic, there are times when a pilot should be more interested in sacrificing the aircraft so that he and his passengers can safely walk away from it. Remember, they build 'em over 'day.

A final psychological hazard is undue concern about getting hurt. Fear is a vital part of our self-preservation mechanism. However, when fear leads to panic we invite that which we want to avoid the most. A pilot who allows himself some choice in the selection of a touchdown point for a

(see EMERGENCY, page 10)



Shades of Spring. The month of March has brought the annual onslaught of collegiates wearing sunglasses and tanning oils from the Northern colleges for Spring Break. This will continue through April. (Photo by R. Frankel)

Santeusano elected SGA president

By Ed Coholich
Avion Staff Reporter

Last Wednesday evening at 6 p.m. after a full day of student voting, John Scribner announced the results of the SGA Elections outside the SGA office. Dino Santeusano and Terri Litke, in a very close election, had been chosen by Embry-Riddle students to become the new SGA President and Vice-President respectively. Voted to the office of Chief Justice was Mel Green and filling the ten student representative positions would be: Lisa Bornholdt, Jeffrey Guzzetti, Cheri Hutson, Jimmy Molina, John Orino, Janet Lee Prentice, Robert K. Smithley, Houshang Tehrani, and Scott Truax.

Before the election results were made public and while the SGA candidates sat anxiously waiting for the announcement, hearsay had it that the election was turning out to be close. Veritably, the outcome was very close. A mere 25 votes separated the two president/vice president teams. The newly elected Santeusano/Litke team carried 218 votes while the Oleon and Frost platform held on with 193 votes.

A total of 432 students (nine percent of the student body) had turned up to cast their ballots throughout the day. When asked to comment on how a larger turnout at the polls may have affected the election, President-elect Santeusano said "I think the results would have favored me even more." Arthur Benson, chairman of the election committee, commented on the election, "It went well-no problems."

Julien Oleon loathed rather drawn when the presidential announcement was made. After congratulating Santeusano and Litke he left quickly and a final comment was made to *The Avion*. David Frost, Oleon's running mate was in New York at the time and was not contacted for comment. Earlier in the day Oleon mentioned that he was going to call Frost and inform him of the election results, that evening.

Following the election announcement a cheer roared for the newly elected SGA officers. Corks from champagne bottles popped into the air and the crowd that was present drank toasts in celebration. Santeusano was paraded around the University Center atop the shoulders of two friends.



Dino Santeusano, president-elect, was congratulated by his friends. He remarked that he was very much relieved. The two of them agreed that even though a good bit of anxiety and pressure was removed, their work had just begun. After the initial excitement had died down, Santeusano remarked, "Now is the time for handshaking. I'm ready to work for the people that elected me."

Inside this week

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Training accelerates freefall

By Bo Aiksninis
Avion Staff Reporter

Have you ever been interested in skydiving? In the past, 25 or more jumps with the static line progression program were required to reach a level of proficiency to be able to freefall. Now there is an Accelerated Freefall Program (AFF) recognized by the United States Parachute Association (USPA) which allows a seriously interested person to become a skydiver in only seven jumps. This innovative method of instruction uses teaching techniques which have been used to some extent before but have only been approved by the USPA recently. The school though must be approved by the USPA.

The AFF program gives each student one-on-one instruction from the start. First there is ground school training for proper exit and descent along with safe operation of the high performance parachutes now used. Special simulators aid to prepare the stu-

dent before the jump for proper procedures. After repetition of the jump's objectives, the student is taken for his first freefall. Two instructors accompany the student for the first 3 levels. The first level introduces the student to freefalling and gets him oriented with the new environment. The two instructors remain at the student's side with a harness hold and go over some moves until opening altitude where the student pulls his own ripcord.

The following levels of instruction teach the student the necessary maneuvers to "fly." Levels two and three or the second and third jumps emphasize control of body attitude and teach control of vertical speed using body movements. Levels four, five and six teach the student to move horizontally in freefall, turn and redock with the instructor, plus the procedures for doing backwards somersaults. These three lessons are done with only one instructor which means the cost is lower.

The seventh jump is the student's check-out dive. He must show his proficiency to the instructor in order to graduate. The student must use his learned maneuvers to catch up to the instructor. All of the jumps are done from 9000 feet which allows the student approximately 45 seconds of freefall. Upon completion of the program the student has over 5 minutes of freefall experience.

The AFF program has surpassed the hopes of the people who developed it. It is a direct course for the people who want to learn skydiving the right way. However if you are an experienced parachutist some of the levels may be passed by and the lessons needed will be concentrated on. The AFF program eliminates the long delay the static line progression program requires and allows you to begin freefalling from the beginning. Similar instruction in

(see JUMP, page 3)



Apathy might be detrimental

By Julien Oleon
Avion Copy Editor

"We the students of Embry-Riddle Aeronautical University, in order to promote the internal unity and welfare of the students community..." "We the people of the world..." "We the people of the United States..." The Constitution of the Student Government Association whose purpose is to represent and present to the administration the student views concerning University policies.

Last week's election seems to indicate the lack of interest of the student body in the school issues and only a little bit more than 400 persons took part in the decision making process of choosing the leaders of the new administration.

What, in these terms, is the legality of the SGA? It seems that some guidelines should be designed as to fix a minimum number of voters required. The first official statement of the newly elected president Dino Santeusiano was: "I'm ready to work for the people that elected me." What about the 4632 other students? Will not they get a fair representation?

A way to avoid an election where only a few can decide for the majority, and in doing so preserve the true meaning of democracy, would be to make it easier for the students to vote. The registration card system although implemented with good intentions was a failure. Many potential voters were denied the right to express their opinion just because they failed to present the blue card.

For a university claiming international influence and 80 residence centers throughout the world, the numerous public announcements by Santeusiano concerning foreigners make me wonder of the partiality with which international students will be represented.

An SGA elected by a minority for a minority is not exactly in the best interest of the students and a better participation can only benefit this entire university.



letters

Disappointed

To the Editor:

I find it extremely disappointing that Dino Santeusiano and Terri Litke have been elected to the top positions of the SGA. It appeals me that the student body would elect a person who submitted such an obviously illiterate campaign article to the March 10, 1982 issue of *The Avion*. It seems that anyone who has graduated from high school, as Dino claims he has, could clearly see Dino's incompetence. Is this how he will represent our opinions to the Administration? I sadly suggest Dino purchases a tape recorder and leaves the pen to someone else.

Additionally I am disturbed by the racist view of our new President and his cohort readily exhibited prior to the election, stating, "Those (expletive deleted) foreigners are not going to run our SGA." Dino and Terri both slandered Julien, slashing his nationality. People can only be accountable for the things they do. Right, Dino? Where was your grandfather born, anyway? It is one of our new "leaders" have such

revolting, racist views. However, I am pleased Dino has something for his resume in addition to being pro chairman.

Name Withheld

Thanks

To the Editor:

I want to thank those students who voted on March 17 in the SGA elections. The turnout was about 6 percent of the student body, which is about 50 percent under the national average. A brief outline of the upcoming events for the SGA is a meeting with the Board of Trustees on the first of April. I will be sworn into office on April 6th, all interested parties please stop by.

In the weeks that are to follow, I will try to keep you informed of the current issues and programs that may benefit you. Also if anyone wants to share some good ideas please stop by the SGA office and let us know. We will be more than happy to listen.

Thanks again for your support and encouragement.
Dino Santeusiano, Jr.
SGA President (elect)

Sadness?

To the Editor:

It is not without certain emotion that I express my congratulations to the newly elected SGA president Dino Santeusiano. I wish him the best of success in his function.

I want to particularly thank the students who expressed their support in voting for me. I hope the new administration will be able to satisfy you the way I had intended to do. I also thank the elections committee for putting up with all the trouble and preparation necessary for the success of the election and thank you Alpha Eta Rho for your dedication.
Julien P. Oleon
Box 1402

Avionism

To the Editor:

In your latest issue there was an editorial by John Scribner in which he had a problem with a physics lab problem. Seems how he does not like that type of problem, in which there are mentions of a military plane and objectives, let me restate it to him in a different way.

An Avion editor (what a contradiction of terms) was standing on top of the U.C. with an old Avion issue. He, for some unknown or known reason decides to fold it into an airplane, a paper airplane. Taking his wings into consideration the young editor wants to see if his Avion plane can hit the local campus SWAT team when they are making their rounds of the university campus. If the editor is twenty-five feet above the SWAT teams height and the

SWAT team is moving at a speed of 10 MPH and will pass directly below the editor, at what time must the editor re-raise his plane so that it will hit them and/or should I say Land on top of their SWAT truck, notice I changed his to land so that it doesn't sound so violent.

Feel free to relate this to your lab instructor so that he can change his harsh questions.
Sincerely, R.H. Pickett

Gratitude

March 17 through 21, the Columbia University National Collegiate Press Convention was held in New York City. Five members of the Embry-Riddle Chapter of the Society for Collegiate Journalists attended. Our knowledge of Journalism was greatly augmented, tours of the New York Times and specifically, a tour of Time magazine were high points.

It is with the utmost of gratitude that this letter is written. Gratitude and thanks go out in this case, to two venerable newspapers. First of all, Mr. Hartwell Conklin of the Orlando Sentinel Star for his firm's financial backing. Without the help of Mrs. Katie Carson of the Daytona Beach News Journal, which was equally concerned about financially assisting the up and coming journalists at E-RAU, a great monetary burden would have been placed upon us.

Without question, attending such dynamic and educative conventions can do nothing but further and promote the growth of not only our publications, but also our perception of the world of journalism.
Max Corneau Box 4012
Delegate 4th Annual Columbia National Press Convention

Beware of Tourists

By R. K. Smithley
Avion News Editor

Now that we as residents of a tourist town have been thrust into the middle of the peak season for vacationers from all over, a word of caution to motorists, cyclists and those who travel the shoe-leather express.

PLEASE BE CAREFUL!

The influx of so many people unfamiliar with the area often creates an increase in accidents, injuries and mishaps. Granted, accidents do happen. However, as locals we should all be on the look-out for those who drive carelessly by turning left from the right lane, stopping abruptly, forgetting turn signals and a host of other driving no-no's.

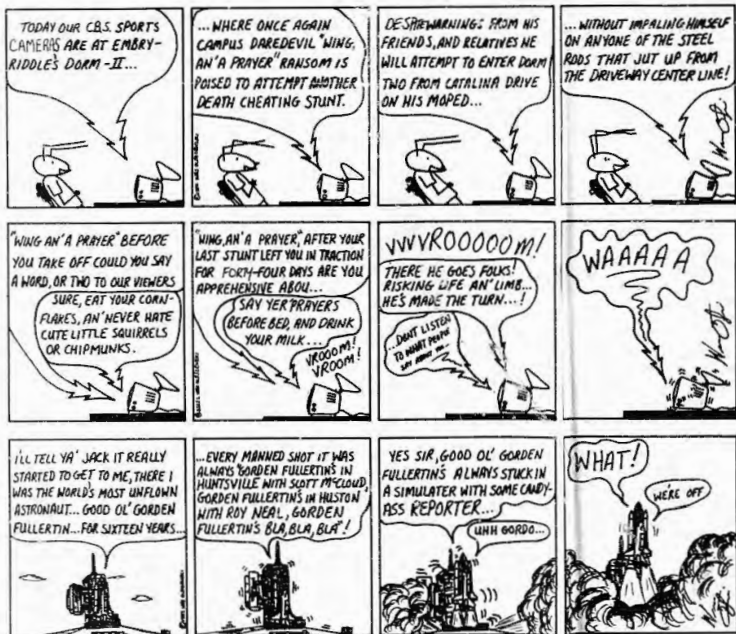
The large amount of E-RAU students who ride bicycles and motorcycles should particularly beware. With so little protection between you and the pavement it doesn't take much to be seriously injured and possibly ruin a lifetime career in aviation.

There has been far too many student injuries and deaths in the recent history of E-RAU due to vehicle accidents. Memorial services for students are something we could do well to eliminate or at least reduce through safer driving habits.

Watch for that tourist who is perhaps lost or disoriented in traffic and is bound to do something that could become detrimental to your general health and welfare. Drive defensively and you won't become a statistic.

Klyde Morris

wes cleszewski



the avion

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Running/walking confusion for the jogger



by Doc Horwitz

CAN YOUR TOWN RESTRICT JOGGING TO THE SIDEWALKS?

Back in Ben Franklin's lifetime, when bathing regularly became the "in" thing, lawmakers in Philadelphia banned tabtubs as dangerous. Today, with jogging so popular, some authorities may

deem it risky to let the runners use the roads instead of the sidewalks. If they want to pass a law, however, they had better "write it right." Here's the case of a jogger who outran the law on the streets of Akron.

A Mr. Barclay was accustomed to jog each evening along South Hawkins Avenue in Akron, Ohio. One September evening, police officers told him to run on the sidewalk instead of in the roadway. He tried this, but found the sidewalks too uneven and blocked by the cars parked not in driveways but across the walks.

When the police spotted Barclay again running in the roadway, they arrested him on a charge of violating a section of the Akron City code. It ordains that "Where a sidewalk is provided and its use is practical, no pedestrian shall walk along and upon an adjacent roadway."

In the Akron Municipal Court, Barclay moved to dismiss the charge, mainly on the ground that "walking" is different from "running". The ordinance, criminal in nature, must be strictly construed, he argued. Since he was not "walking," he did not commit a crime.

The city argued that the ordinance was enacted for the safety of the vehicular traffic as well as pedestrians, so that the term "walk" necessarily included the term "run."

The court agreed with Barclay that the ordinance must be strictly construed. It noted that the dictionary defines "run" as "to go faster than a walk, so that both feet leave the ground for an instant in each step." But "walk" is defined as "the gait of a biped in which the feet are lifted alternately with one foot not clear of the ground

before the other touches." Thus, the court found that Barclay was running on the roadway and the ordinance did not prohibit that. The court did opine [def. to state as an opinion] that he used poor judgment in selecting this particular street on which to run, but said that it had to dismiss the charge against him. (City of Akron v. Barclay, 386 N.E. 2d 249.)

NOTE: It's possible that the language of "jaywalking" also would not slow down many joggers either, because they weren't drafted with running in mind, any more than the Akron ordinance, but joggers should not that the question of where they were running could be crucial in case they get hit by a car. If a judge or jury thinks running in the road is negligent, that will bar any recovery of damages in one-third of the states and cut the damages

down in the rest.

NAME CHANGES: Legal name changes for divorced women are a well-established court procedure in most states. However, in North Carolina, four women were denied the right to resume their maiden names. Why? The judge felt they had not shown good enough reasons for the change and that such changes might lead to "chaotic confusion" in our mobile and computerized society. In contrast, a New Jersey statute allows the court to restrain a woman from using the surname of her former husband if he requests it.

AVOID PROBLEMS: A simple will (without trusts) drawn up by a competent attorney should cost no more than \$150. It can avoid many of the possible costs and problems of administration, as well as making

sure that your estate goes to persons you really want to have it.

MORE SMOKING PROBLEMS: Danger comes not only from tar, nicotine and carbon monoxide but from unknown chemicals added to cigarettes. Tobacco companies have refused to reveal voluntarily the hundreds of chemicals added to cigarettes. Thus far, the FDA (Food and Drug Administration) has allowed but forced them to do so, despite requests from the American Cancer Society and the American Lung Association. Low-tar/low-nicotine brands won't seem to reduce the risk of heart disease. Highest heart-attack risk: Filter cigarettes without perforations in their filters. They have a higher carbon-monoxide content than unfiltered cigarettes.

Former test pilot instructs at E-RAU

By Rick Arndt
Avion Staff Reporter

Donald Broadhurst, a former test pilot of high performance aircraft and helicopters for the Army joined the Aeronautical Science department as instructor in June 1978.

After graduating from Clarkson

College in New York, Broadhurst completed pilot training at Ft. Rucker. He then flew observation flights in Korea. After returning to Ft. Rucker, he completed the helicopter training program.

After completing his Masters degree at Arizona State,

Broadhurst became a helicopter instructor and flew multi-engine aircraft. In Vietnam, he was a major in charge of a small helicopter flight detachment.

As a test pilot at Edwards Air Force Base in California, Broadhurst tested components in high performance aircraft and

revolutionary helicopters. When asked what requirements must be met to become a test pilot, he replied, "To be a good experimental test pilot, you've got to be able to put into writing what you observe in the cockpit, and be able to analyze the data you accumulate for a flight test report."

Broadhurst now has well over 4,000 hours of flight time including instructor time. He recently transferred from the Aeronautical Science department to Engineering. When asked why, he replied, "to utilize my capacity to its fullest extent."

Mr. Broadhurst has had some fascinating experiences as a test pilot. His intelligence, skill, and ability mark him as an outstanding employee of E-RAU.

L-5 partaking in 'Day with NASA'

A "Day With NASA" is set for this coming Saturday. Coming on the heels of a successful launch the Kennedy Space Center should be an exciting experience. "Columbia" should still be in the midst of her third mission and that should give a special atmosphere to Kennedy Center.

We will be leaving Saturday, March 27, 1982, at 10:00 a.m. and will include the tour and dinner at the Holiday Inn at Titusville. We will be touring the complex and the visitors center. It has always been a

very enjoyable tour. After dinner we will have a guest speaker from NASA. John Young will be speaking on Space Lab, the laboratory that will be held in the Shuttle's Cargo Bay in future missions.

This is the fourth day of Spring and Spring Fling is now far away. The L-5 Aerospace Society will be participating in this years Spring

Fling. We will be selling Pepsi and NASA souvenirs. We hope that you will join us and the rest of Embry-Riddle in the celebration of Spring.

Please join us in the Riddle Theater tonight at 6:00 p.m. and we will have more on A Day With NASA. Spring Fling and we will be having a movie. Please join us.

JUMP: (continued from page 1)

California was used to permit Johnny Carson to freefall on his first jump. Those of you who want to experience the rush of flying without a plane should consider this USPA approved program.

ALL SENIORS

Summer A & B 1982 and Apr. 1982 Graduates. If you want your yearbook mailed to you, you must come up to the AVION / Phoenix Office with \$3.00 for postage Deadline Fri. April 2nd Thank-you

1982 Phoenix

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The George Benson Collection, an excellent grouping of songs that keeps you coming back for more.

George Benson is an artist who enjoys a reputation that few of his contemporaries do. His career followed deliberate routes; he built on one and another. It is quite the career aspiring musicians dream of.

Sometimes in the production of music it becomes necessary to give the public what they want. For the avid Benson listener, there are countless albums. For the occasional Benson enthusiast, the 45's are a sure way to augment your listening pleasure. The Benson col-

lection is for those who have never taken the opportunity to really sit down and lend their ears. There are the traditional Benson favorites and an array of new ones.

"Turn Your Love Around, Never Give Up On A Good Thing and Love All The Hurt Away" (a duet with Aretha Franklin) set the stage on new material. The traditional, "Breezin', Give Me The Night, On Broadway," and "This Masquerade," provide the foundation of solid gold.

Benson throws into all of this some late 1960's material like, "Take The Last Train To Clarksville," and "White Rabbit". If you are nostalgic, take a moment to check this one out. To apply the analogy of an

elevator ride, this one stops at every floor of music taste.

During the rise from nothing to something every artist usually puts out a collection of old and new songs as part of progressing the ladder of success. But in the case

of George Benson few do it as well. Definitely check this one out.

This review is made possible through our friends at Camelot Music in the Volusia Mall where they can meet all your musical taste.

Brothers of the Wind plan dance Friday

By: Phyllis R. Jackson

The dance planned for March 27 has once again been changed to Friday, March 26. The admission is one dollar and it will be from 9:30 p.m. to 2:00 A.M. FREE BEER will be served. Hope there will be a big turnout.

Last Thursday the BOW's entered the basketball tournament at Campbell Community Center. We are wishing them the best of luck.

Mrs. Helen Scott really appreciated the effort put forward for the March of Dimes Danceathon. It wasn't very suc-

cessful but we are hoping to do better next spring. Mrs. Scott would like everyone who will be here Summer A to participate and/or help with their Annual March of Dimes Walk-a-thon on April 24.

Plans are being made to give another skating party and pool party before the trimester is over. We are hoping April 10 and April 11 will be available. More information will be given in next week's AVION.

Meetings are still being held on Sundays at 6:00 p.m. FSL, so please keep the attendance up.

Steppen out..

A look at eating and drinking establishments in the Daytona Beach area.

By Tony Pinto
Entertainment Editor

This week Steppen Out was in New York City for a National College Publications conference. In keeping with this never ending saga of entertainment insight, I'll take a moment to reflect on economy drinking and dining in mid-Manhattan.

Some of the "New York" bars in mid-Manhattan are in the neighborhood of the Waldorf Astoria, large nightclub, and first rate theaters. Survival in NYC is nothing like survival in a tourist town.

If you plan in-house activities, buy early or face a stiff cab fare to some obscure package store in an undesirable neighborhood. These usually cater to the hard-core decadents who linger, looking for money and booze. New York provides as the melting pot of society; you'll see it all.

Should you venture out, stay in groups, let your curiosity and instincts lead you, and have a great time. There are a host of local bars in mid-Manhattan where the visitor is a welcome sight. We strongly recommend a visit to Jerry's Place between 51st and 52nd streets on Lexington Avenue. One visit to Jerry's and you're likely to renew any bad feelings that you have had about other bars in New York City. After several attempts at local bars trying to socialize and be merry, we finally found one where we walked out smiling. Al, the Bartender, knows that you went there to drink and have a good time. He doesn't let you forget it either.

This could go on and on taking in many restaurants and bars. The key to remember is get out and move around. Compare prices, locations, and atmosphere. In New York you pay good money for your food and drink and it's up to you where to spend it.

Don't look up, keep your wallet in your front pocket, and if someone's looking at you, either walk fast or stare them in the eyes.

Next week back to Daytona. Aloha!



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Sports Editorial

Pro bali excites

With college basketball taking the spotlight the last couple of weeks, I thought I would check out a professional basketball game. The scene for this game was Madison Square Garden in New York City. The game was between the Atlanta Hawks and the New York Knicks. I had never been to a professional game before and I found it exciting.

The game began with the Knicks dominating. They ran off 16 straight points before the Hawks' comeback. About mid-way through the second quarter Hawk coach Kevin Loughery lost his cool and received two technical fouls and a free trip to the locker room. At the end of the first half the Knicks held what seemed like an over-whelming lead.

The second half saw the Hawks on fire with intense determination. By the end of the third quarter they tied the score at 78. The Hawks finally took the lead with four minutes left in the game. The game took on a new dimension in the final minutes. Each play became more important and it showed on the players' faces. The Hawks eventually triumphed.

The game was very different in person compared to watching it on the old boob tube. A person really feels an electric charge while watching the players in real life. Many of the New York fans were disappointed over their teams' performance. I wasn't though; the Knicks and the Hawks are both my favorite teams.

It seems the FAA, had a little stink to raise over the Sebring race. FAA wants the race to be cancelled because the race uses runways at the airport for straightaways. The FAA claims that the airport is financed by federal funds and should not be used for anything besides airplanes. The race draws an estimated 50,000 people into the town and they in turn spend around \$2 to \$3 million during the three days of racing.

The action of cancelling the race would be catastrophic for the community if the race is 86'd. Several local racing officials recently discussed the possibilities of re-paving the runways at their cost, because of the poor present condition of the airport surfaces. Should this proposition become a reality, FAA should jump at the chance for free pavement simply to allow for the races at Sebring. Dave Frost, Sports Editor

Wealth of health

A "Wealth of Health" ... 3 days of wellness activities will be held on campus March 29, 30 and 31, 1982. This event is sponsored by the Departments of Recreation, Center for Human Development and Health Services. All students faculty and staff are invited to participate. Programs include:

Monday-March 29:
11:00-1:00 Jump-a-thon(U.C. 10 minute parking lot) an aerobic rope-skipping activity tailor made for group fun and participation. Get a head start and form a team of four jumpers to represent your group or organization or just come by yourself.

11:00-3:00 Blood pressure checks(U.C. cafeteria area). Provided by the Volusia County Health Department. A simple procedure to check your present level of "wellness."

7:30-8:30 Sports injuries- How to treat your own(Pub) Dr. Ernest Cook, a family practice physician, speaker. He has won many scholastic and football honors, including being nominee for the Big Ten Com-

ference Medal from the University of Minnesota.

Tuesday, March 30:
11:30-1:30 Leisure fever: Catch it-Kontagious Kickball(softball field by the U.C.) Organize a team (8-10 players) sign up with the Center of Human Development or Health Services by Friday, March 26. Take this opportunity to play with/or against fellow students, faculty and staff.

2:00-3:00 Look your best to feel your best(Common Purpose Room). Frank Soweck, YMCA fitness director, speaker. Benefits of physical fitness, exercise programs and diet

7:00-8:00 Weight Management(Common Purpose Room). Bill Herten, M.A., speaker. Physical, emotional and nutritional aspects of weight as they our lives and job selection, promotion and/or termination.

Wednesday, March 31
11:00-2:00 Wellness Station(U.C.-cafeteria area). Films, pamphlets, handouts, weights and height scale.

3:30-5:00 You Are What You Eat: Proper Nutrition(Faculty Staff Lounge). David Hiller, M.A., speaker. Food combining, high and low stress foods, vitamins, evils of caffeine and sugar, high protein drink, and other aspects of proper nutrition.

A "Wealth of Health" is acquired over an extended period of time. We understand that lifestyle changes cannot be acquired overnight. Therefore, we encourage each member of the University community to attend at least one event. Start now for the health of it!

notices

AFOQT on Monday

The Air Force Officer's Qualifying Test (AFOQT) will be given on March 29, 1982 in the Riddle Theater. Doors will be locked at 1230 hours. Sign up in the AFROTC building behind Dorm I.

Free food and disco

A Disco extravaganza and Fashion Show Wonderland will be featured in the University Center - Daytona Beach Campus, March 27 from 9 p.m. to 2 a.m. Co-hosted by TSA, UHS and the Central Florida Clients Council, the celebration will provide free chicken, chips, soft drinks, cakes and more. Admission is free and all are welcome.

Sierra Club

Interested in preserving, protecting and enjoying the outdoors? The Sierra Club, a national environmental group, has its monthly meeting Wednesday, March 24th, 7:30 p.m. at the Ulatarian Building, 56 North Halifax, Ormond Beach (near the Ormond Hotel). Club activities, besides conservation work, include canoeing, hiking and bicycling. For more information call Bob Krzewinski 677-3906.

Scholarship awards

Two awards of \$1,000 each will be awarded through the Eugene and Dorothy McAllister Fund (University Aviation Association, Scholarship AOPA Air Safety Foundation). These scholarships will be offered to applicants enrolled in a college aviation degree program, planning to continue toward a four-year bachelor degree.

The deadline for these scholarships is April 1, 1982. Applicants must have a 2.5 GPA or better at the time of the application - on a 4.0 system. The applicants must demonstrate in writing in aviation as a career. One must be enrolled in a college aviation degree program and have a minimum of one additional year still to be completed prior to graduation. Each applicant must submit a paper (minimum 200 words, maximum 250 words - typed - double spaced) on why they wish to receive a degree in aviation.

The award will be made without regard to sex, race, religion or national origin. Mail application to: Mr. L.L. Ohrt, Chairman, Aerospace Science Department, Metropolitan State College - Box 30, 1006 11th Street, Denver, Colorado 80204.

Internship program

The Florida House of Representatives has again announced an internship program for college graduates or graduate students. The program is for the year beginning August 16th. Candidates must complete their undergraduate studies by August 1. The internship pays \$600 per month, and interns will work 24 hours per week. Interns will enroll at a State University as a special or graduate student taking up to 12 hours per quarter. College fees will be paid by the House of Representatives for each of three terms. Interns will serve as research assistants for House legislative committees in Tallahassee. Applications must be mailed on or before March 31. Application forms and additional information are available from John Eberle, Room E-602, Ext. 1141.

Eckankar film at Palm Coast

The Film "Eckankar, A Way Of Life" will be shown at the Palm Coast Annex building, Room 108 of the DBCC Satellite, March 24, 7 p.m. Further information 253-4371.



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AIAA to sponsor Ponce Inlet kite contest on April 4

By Rich Adams

The Embury-Riddle chapter of the American Institute of Aeronautics and Astronautics and "High as a Kite" kite store will be sponsoring a kite contest on Sunday April 4th at 2:00 pm. on the south beach of Ponce Inlet. The contest is open to everyone except the judges. There are over 3400

There will be four competition categories: largest kite, most unique kite, freestyle stunt and kite fighting competition. The registration fee for each category is \$2.00. Following are the rules for each category:

- A. Largest kite
 1. All kites entered in this category must be homemade.

2. Each kite must prove its airworthiness by maintaining an altitude of 75 ft. for one minute from a stationary position. The kite must be human-launched and attain the required altitude within five minutes.
3. The objective is to have a kite with the largest projected area less tail.

1. All kites entered in this category must be homemade.
2. Each kite must prove its airworthiness by maintaining an altitude of 75 ft. for one minute from a stationary position. The kite must be human-launched and attain the required altitude within five minutes.
3. The kite will be judged for innovation, design and construction.

- C. Freestyle stunt rules
1. Any kite with strings may be entered.
 2. There will be a time limit of one minute per kite.
 3. Contestants may enter up to three kites of different styles.
 4. Kites must be airborne for one minute.

- d. Both kites will be launched simultaneously with 30 to 50 ft. of string out; each kite will be assisted by a person designated by the contestant.
- e. A time limit may be imposed - if a winner is not apparent after the time limit, the contest will be eliminated.

All decisions of the judges will be final. Kites and trophies will be awarded to first and second place winners in each category. Kites for freestyle and fighting competitions, building materials and other supplies are available at High as a Kite, 805 Main St., Daytona Beach. Kites and supplies for contest may be purchased there at a 15 percent discount.

Registration will be held in the U.C. and at Hig' as a Kite beginning on Wednesday March 24. Contestants may also enter the day of the contest. If you have any questions, please contact Bob Warsek at High as a Kite (253-7399). Good luck and good wind!

AAS presents new squadron leader

By 1st Lt. David A. Straka

The Gill Robb Wilson squadron's current commander Jeff Barash will be graduating at the end of the year. The question is to know who will be there to fill the position.

An Arnold Air Society Squadron Commander has an important job to do and it takes an outstanding cadet to run the squadron effectively.

Brian J. Duddy, voted into the position by his fellow cadets, will have the responsibility of continuing the outstanding performance of our squadron. Brian has the background, qualifications, and quality to assume this position.

He enrolled in the Fall of 1979 to major in Aeronautical Engineering. He also enrolled in the AFROTC program and received a four-year scholarship. As a General Military Cadet (GMC) he has compiled a commendable record including: Reserve Officer Association Outstanding AF 200 cadet; Superior Performance and Distinctive CMC awards twice. Brian was initiated a member of the AAS in April of 80.

As a member of the Arnold Air Society he assumed the positions of Administration and Information Officer. He is currently the AAS softball team captain Brian attended Field Training at

Wright Patterson AFB in Dayton, Ohio, to become a cadet officer. As a cadet officer Brian has been Flight Commander and is now serving on the ROTC Evaluation staff.

He is a member of Omicron Delta Kappa, the national honor society and leadership society.

What does Brian plan to do upon commissioning? He will attend the Advanced Training Program (ATP) at Dover AFB, Delaware, and he wishes to be an Aircraft Maintenance Officer.

Brian Duddy is an outstanding cadet who has the qualifications and determination to keep our Gill Robb Wilson Squadron at the top.

Brian, we are confident that you will do an outstanding job in promoting the Arnold Air Society and its objectives through E-RAU. The members of the Gill Robb Wilson are behind you. Go for it!

Our current pledge class is at the critical stage - the formal interview. The interviews, being held tonight, will be a large determining factor in their selection in the prestigious position of an Arnold Air member. Pledges: Phil Black and his assistant Alex Franco have been concentrating their energies to prepare these cadets for the final stage. They have done outstanding work, so pledges good luck!

AFROTC prepares for field training

by Cadet Capt. Dennis Granger Information Division

The AFROTC certainly has a busy week with all the CMCs and Flight Commanders in stiff competition as the troops of Det. 157 wrestle for the award of Honor Flight. The cadets will be tested on their ability to perform the \$4 command drill sequence, wear of the uniform, and their knowledge of drill and ceremonies. It certainly takes a lot of dedication and professionalism to be worthy of this award, so good luck to all the fighters.

Besides drill competition, this weekend holds a big day for all the cadets of Detachment 157 to participate in fun and food at Field Day. Group I, II, III and IV will go against each other in volleyball, dizzybat, tug-of-war and other activities. Everyone can be sure of a good time, so I hope to see you there.

What else goes on at our Detachment? Preparation for Field Training is underway as most of the AS200 cadets learn about the hazards of Summer Camp. As

many learn about the finer techniques of military life, I'm sure some are wondering if it's all really necessary. It's necessary, but cheer up, Summer Camp can be almost enjoyable if you want it to be. You may even be sorry to leave it in the end.

Last, but not least of our activities for this week is the AFOT, which will be given March 29 in the Riddle Theater. The doors will be locked at 1230. Sign up now in the detachment building if you need to take it. This is the last time

this term it will be offered. Just a word to all interested parties: The Naval Air Station at Cecil Field will host a two day air show featuring the precision aerobic team, the Blue Angels. As "ambassadors of goodwill", the Blue Angels take naval aviation to the public as a means of demonstrating the quality of men and equipment by the U.S. naval service. The shows will be on April 7-8, starting at 1300 hours, and running to about 1530 hours. There is no admissions charge.



Wondering about the future? Come to the next meeting of the Ninety Nines. Tuesday, March 30, 1982 in the Faculty Staff Lounge

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Student assistants provide valuable help for instructors

By Louis M. Kady
Avion Staff Reporter

Did you realize the last time an instructor returned an assignment for examination to you as chances are it was corrected and evaluated by a fellow student as well as the teacher?

The many students at Embry-Riddle who are employed by the university as instructors' assistants have an integral function to the respective curriculum departments they work in.

In order to have a better overview of exactly what criteria and responsibilities an assistant must have, the Math/Physical Sciences Department was analyzed in this area of student employment.

Within the Math/Physical Sciences division of the university, positions available to students are jobs including grading, lab instruc-

ting, tutoring, and secretarial assistance.

Currently, each student is paid minimum wage of \$3.35 an hour but can have a higher salary if they show outstanding ability. The minimum GPA required to be an assistant is 3.0, but that minimum is said to change from time to time. Additionally, each student must have completed the class that they are grading for with at least a 'B'. Some use them for different requirements for graders, it is ultimately up to the individual instructor to decide what criteria that he will accept. The teachers may also decide if they will use an assistant or not.

"It varies, it varies widely. Some teachers use graders; some don't. Some use them for different things," said Rosalie Bibona a student grader/assistant for the

department. The reason for the non-consistency as Bibona explains is because every instructor has their own grading system. Therefore it may or may not be essential to have an assistant.

Jan Collins, Assistant Professor of Mathematics and Supervisor of Tutoring Services provided an additional comment. "The standards aren't really that regimented. I don't think the instructors are real picky about certain types of performance. They want their papers back on time and they want them evaluated properly," remarked Collins. "I think most of the people are qualified. They do a pretty

good job. You must have shown a pretty good level of proficiency in "that course before you can grade or tutor it."

The amount of time a grader works is usually the amount of time the teacher instructed a particular class. Concurrently, the student may only grade for a class an exam was given.

All homework assignments and exams graded by an assistant are usually looked over a second time by the teacher. This process is to essentially have two people grade one paper.

There are also students who

tutor for the Math/Physical Sciences Department. Collins provided more insight with respect to this aspect of student assistance. "I would say the responsibility of the tutor is to communicate well with his peers and have a knowledge of the subject material."

Two types of tutors are available within the department: some work free of charge and the other private tutors-charge \$5 an hour and are referred to the requesting students by Collins.

Collins explains that more than one student takes advantage of the free tutor at any given time. "I would say the big problem right

now is that the room is over crowded; the facilities are not big enough and there is not enough time available," criticized Collins.

In spite of these setbacks Collins stated that the system works very well and that it is a real benefit to the students. "They would have to pay for this service at any other university," added Collins.

"I think the biggest advantage of it is a worthwhile deal. I should hope that even though there has been a cutback on federal funding, we will be able to employ students as graders and tutors. I think that some of the students need jobs," concluded Collins.

Army choppers to visit Embry-Riddle

By Cadet Cpt. Disantis
On Monday, March 29th, two Army helicopters will be on static display at the E-RAU baseball field at 1100 hours.

The two helicopters that will be displayed are the UH-60 Black Hawk, (UTTAS) and the AH-1S Cobra, (attack helicopter).

The UH-60 Black Hawk, the Army's new firstline utility assault helicopter, will be used chiefly in the main battle area as a troop-carrying and logistics aircraft. A commander can use the UH-60 to conduct air assaults and raids. He can also use it to move anti-armor teams through the battle area, to display rear area security forces to

counter enemy airborne and air-mobile operations, and to resupply his units.

The AH-1S, a fully modernized Cobra helicopter, which is now being fielded, will be an integral part of the Army's attack helicopter force through the year 2000. The AH-1S can carry eight tube-launched optically tracked, wire-guided (TOW) ammunition and 14-70mm (2.75 inch FFAR) rockets. In an alternate mission configuration, the aircraft can carry up to 76-70mm rockets.

When it is fielded, the forward infrared augmented Cobra TOW sight (FACTS), will give the AH-1S attack fleet an improved target

engagement capability during night and reduced visibility operations.

Both the Black Hawk and Cobra

are based out of Ft. Rucker Army Air Field, Fort Stewart, Georgia. Fort Stewart is also the site of the next "F.T.X."

EMERGENCY--(continued from page 1)

fully controlled crash has no reason to despair. The survival record favors those who maintain their composure and know how to apply the general concepts and techniques that have been developed through the years.

To summarize the roll played by psychological hazards, it appears that the success of an emergency landing under adverse conditions is as much a matter of the mind as of

skills. A pilot who knows his aircraft and understands the what and why of the techniques that will ensure a successful emergency landing has a reason to harbor a fear of being forced down.

The peace of mind associated with this knowledge should improve a pilot's overall ability which in turn could prevent an emergency or most certainly benefit its outcome.

Delta Chi in midst of slow season

By Geoff Murray
After all the excitement of the past few weeks, Delta Chi has decided to take it easy for a change. At the past meeting, nominations for the officers of the Fall trimester were held. Best of

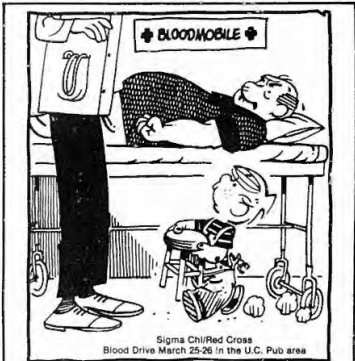
luck to all those who are running for a position.

Friday night Delta Chi held the usual Happy Hour. With the help of celebrity Thomas Ronai, several females ventured to the Delta Chi house. A picture taking session of the brothers was supposed to take place, but never materialized. A suggestion has been made to have the pictures for the Phoenix Year-

book taken at a business meeting. Even without pictures, the brothers had a great time at the Happy Hour.

Saturday afternoon brothers Brian Moon and Tony Manich held a beach party at their house near Ponce Inlet. The brothers that attended the party received some surfing tips from brother Mike Gesicki. However, in the process,

we all received sunburns. After some time on the beach, the brothers proceeded to have a volleyball game in the backyard. It lasted until we were too bushed to reach for another beer. Sunday, as the weekend came to a halt and the dust was blown off of textbooks for the beginning of yet another school week. May it be a good one for all.



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