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Happy Valentine's Day

Embry-Riddle Aeronautical University
Daytona Beach, Florida

THE AVION

February 10, 1982
Volume 40 Issue 4

The Award-Winning Newspaper of College Aviation

Students speak out at first SGA forum

By Rob Dixon
Avion Advertising Manager

Wednesday's SGA Forum was well attended, and well represented by President Jack Hunt, SGA President Dan Goebel, Jack Fidei, Daytona Provost Steve Whitmer, Leslie Whitmer, Charles Eastlake, Joe Craddock, Student Representative Julien Olson and others.

Leaks, safety and security, air conditioning, were part of the first question concerning housing, due to the 12 thefts in Dorm II the windows have been bolted shut preventing fresh air from circulating about the rooms. The action was labelled "ridiculous," by Dan Goebel, and he stated the SGA was working to find another solution to the security problem.

The question was raised concerning the incentive budget and if it will still be in existence with the rewritten by-laws, but have yet to be approved by SAC. SGA divisions such as the Avion, Phoenix, and Entertainment will be able to air their views on their incentive money at a later time.

Complaints surfaced having to do with the \$50 late registration fine. Dean Susan Doherty, Dean of Registration and Records,

stated she will be bringing up the problem to the Tuition and Fees Committee. Dean Doherty explained that since registration procedures have changed, the \$50 disincentive fee would not be needed.

Suggestions concerning cafeteria cleanliness were discussed, to include having Epicure stop busing the tables, and collecting a 50 cent returnable charge that would be returned when the trays were returned. Mr. Spraker did agree the mess in the U.C. is a problem, but a 50 cent charge would be unfeasible. Spraker went on to say that to have Epicure stop busing tables would cause other problems, such as embarrassment to the school for visitors to see such a mess. Other ways would have to be studied to help solve the problem of the trays, he said.

The grading system at Embry-Riddle is a straight letter grade with no plus or minus. It was asked why there was no plus or minus grade system. Dean Doherty commented that straight letter grades have always been school policy. She added that if sufficient interest was evident, it could be studied further. The problem in a plus/minus system is because there

is no established numerical letter grade correspondent between the colleges.

The question on every student's mind was asked of President Hunt. With President Reagan's deep budget cuts in financial aid, why is tuition going up? Further, did the Board of Trustees look for other ways to cut the budget. President Hunt replied by stating we have one of the lowest tuitions in the state, excluding flight. The Board of Trustees did search for other ways to cut the budget, and Hunt stated the Board tries to maintain cost effectiveness without hurting the quality of education.

He also answered a question concerning the Air Traffic Controllers Program. He said it is still in the planning and accreditation stages and he would be in contact with the FAA Administrator regarding the subject. He added, Administrator Helms would be speaking at Spring graduation. Hunt also introduced his new wife at the forum. Congratulations President and Mrs. Hunt.

In retrospect, the first SGA Forum of the Spring was informative and interesting, and it was good to see an interested student body there to ask questions.



E-RAU President Jack Hunt speaks to concerned students at Forum as SGA President Dan Goebel listens. (Photo by Moshe Yuda)

Youth Alternatives offers shelter to runaways

By Julien P. Olson
Copy Editor

If Daytona Beach's climate and way of life attracts tourists and residents from all over the country, it also seems to be the favorite destination for juvenile runaways.

Thousands of runaways trek to Florida every year and hundreds of them elect Daytona Beach for temporary residence. Unfortunately for many of these kids with emotional problems, the "World's most famous beach" is not paradise. When they reach their limit or need a roof and are hungry, some of them find the way to Youth Alternatives.

Located on Cypress avenue, in a one story brick building leased from the Florida United Methodist

Church Children's Home, Inc., Youth Alternatives provides food and shelter, year round, to 13 through 17 year olds, 24 hours a day, seven days a week.

The building has eight bedrooms, a dining room, a living room, two offices, a conference room and a laundry room. All cooking and laundry are done on the premises. "We have a license for 15 kids," says Tina Pomroy, a youth counselor, "but sometimes we have to put beds in the hall." Pomroy further explains, "the full season for us is during spring break and the races. The summer is not too busy."

Runaways come from all over the country. They are brought in by the sheriff's office, the police department, sent in by the Health

and Rehabilitative Services -- a state agency -- or they volunteer to come in. The majority is composed of white girls. "Most of them have suffered abuses, sexual, verbal, drugs," comments Tina. "If they are too young, they are referred to HRS, but if it is too late, we keep them for a night. When they arrive, they are informed of the rules of the house and they sign a rule sheet. They have to give their name and where they come from. If scared, they will give false information and it might take 24 hours to find out the truth. If they do not cooperate after a certain period of time, they are kicked out."

During their first 48 hours at the shelter, the kids are put on restriction; no phone calls, they cannot

leave without a counselor and are not allowed to receive visitors unless they are parents. Within the first 24 hours the shelter has to contact the child's parents. "Usually they are very thankful," says Tina, "but sometimes they crack up."

Although Runaway's cuts badly affect Youth Alternatives, the shelter's operation runs smoothly with funds provided by Health and Rehabilitative Services and the Florida United Methodist Children's Home.

The shelter has a hired staff of eight, including the Program Director. The members have college educations in social service fields. There is also a part-time cook who prepares the meals and assigns chores. According to Pomroy, the kids analyse the staff and are fast to recognize that some members are more firm than others. The major problems, as far as discipline is concerned, are drugs, fights and stealing. The most frequent punishment for rule violations is house restriction (no phone calls, no visitors).

Each youth upon his arrival at the shelter is assigned a counselor, and a progress sheet is kept up to date with information concerning the child's conduct.

Despite some minor problems with neighborhood residents, the shelter keeps good relations with the community. "We maintain good relations with the Police

(See SHELTER, page 12)

(See STAFF, page 12)

E-RAU prepares for SACS evaluation

By Louis M. Kady
Avion Staff Reporter

This Monday, students and faculty will have a chance to talk to various members of the SACS Visiting Committee that will be commencing its tour of Embry-Riddle's Daytona Beach Campus. The committee will be here to make an evaluation of Embry-Riddle to decide if the University's accreditation is worthy of renewal. The committee will begin its day with a luncheon in the Common Purpose Room. Also attending this luncheon will be a few members of the faculty and a group of about 20 selected students. Sarah Fogle, Associate Professor of Humanities and Director of the Self-Study, explains the students to be selected will be from a cross section of

degree programs, activities and classes. She stated the SGA president will most likely be included plus other students such as Resident Advisors, lab assistants, foreign students and others. However, the few who are chosen will not only include students with high status in certain activities. "Not everybody will be a club president," assured Fogle.

While the committee is on campus, students may encounter them dropping into classes unannounced. Members may randomly stop students in the parking lot, hallways and even sit with some in the U.C., to discuss Embry-Riddle.

Committee members will be wearing gold name tags, because they want students to be aware that they're here. They want everyone

to know who they are and what their purpose is.

In the meantime Fogle requests that students be frank, helpful and cooperative to members of the visiting committee. She commented that no one should be disappointed if a committee member happens to unexpectedly visit a classroom or stops individuals to ask questions; things should be "business as usual." Fogle made a point by saying, "this is not a military inspection. People should be open and candid."

Among the members of the Visiting Committee some will be looking especially at the Student Government, extracurricular ac-

(See SACS, page 12)

By Sarah Fogle
Associate Professor of Humanities

On Sunday, February 14, the SACS Visiting Committee will begin its evaluation of the University as Embry-Riddle seeks reaffirmation of its accreditation with the Southern Association of Colleges and Schools (SACS). The visit follows two years of preparation and self-study conducted by students, faculty and staff throughout the University. The Visiting Committee is comprised of two staff members from SACS and 15 faculty and administrators from colleges and universities throughout the country.

Following an organizational meeting and a dinner at the President's Residence on Sunday, the Visiting Committee will spend two

full days on campus. On Monday, the committee will have scheduled meetings with local members of the Board of Trustees, a group of students and the Faculty Council. On Tuesday, the day is open for them to work in their areas of responsibilities.

On Wednesday morning, Feb. 17, the committee will hold its interview with President Hunt and selected university personnel. At this time the committee members will present their findings, recommendations, and suggestions. The week after the visit to Daytona Beach, ten members of the committee will travel to the Prescott Campus to repeat the process.

During their visit, the committee members, (recognizable by their gold name tags,) will be working in all areas of the campus and Ex-

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ecutive Offices. They will visit classes, the I.R.C., faculty offices, the U.C. flight line, and the administration. Please make them feel welcome by being cooperative, and remember that the purpose of the self-study and the SACS visit is the improvement of our University.

The following are the members of the committee, listed under the areas they will be evaluating:

SACS STAFF
Mr. Gordon Sweet, Executive Director
Commission on Colleges, SACS
Dr. Jack Allen, Associate Executive Director, Commission

(See STAFF, page 12)

Sorry 'bout that

By R. K. Smithley
Avion News Editor

Contrary to popular belief, the *Avion* is not always 100% correct in its contents each week. Though we strive to bring you the most factual articles available, every once in a while, we too make mistakes.

Last week's editorial dealt with a proposed reduction in the total allowed credit-hours from 18 to 15, for the standard trimester fee. Several weeks ago there was just such a proposal being discussed by the Campus Council. However, the proposal was dropped from further consideration at that time.

The *Avion* Editorial Board felt the entire student body should be aware of such proposals, which could have lasting effects on us all. Thankfully, the decision to drop the idea undermined our efforts.

The *Avion* maintains the opinion that students should be well informed, before any proposals of any sort become policy.

The students have a right to know, because without us the university wouldn't be here. Administration and students must work together to reduce frictions that exist between them. This has generally been the case in the recent past, and we would like to keep it that way.

It warrants noting that E-RAU administration is definitely concerned with the number of students who drop classes well into the trimester. Naturally, the majority of dropped classes reaches its largest percentage within the last week of the drop period.

Recent discussions with Dean Susan Doherty of Records and Registration, have disclosed possible changes in the near future to attempt reducing students dropping courses. Doherty apparently feels the student transcript littered with "W's" (signifying withdrawal) may be negatively viewed by prospective employers.

Some students may not be aware that each class withdrawal is permanently recorded on the transcript. It does look much better than an "F" one must admit; not to mention the obvious effect on grade point average.

Though the tuition increase method has been deemed not feasible, it seems the administration may study the situation further. Students could be asked to air their views concerning possible alternatives soon, so think about it. Watch for further developments as they occur, in the *Avion*.

F-4: Yes or No

By Tony Pinto
Entertainment Editor

EDITORIAL

With the spring trimester a little more than one month old, it might be a good time to look at some of the issues facing us. Comparatively smaller than the typical institution of higher education, Embry-Riddle does not lack in the complexity of problems facing each.

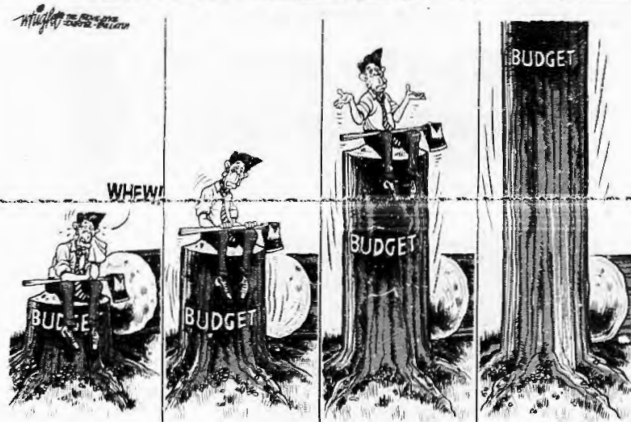
Spring is traditionally a transitional period. High school graduates who wanted a break before college have finally arrived. Transfer students who have chosen aviation in conjunction with a university are starting to show their faces. And for those who have labored several years for an aviation oriented degree, graduation is just around the corner. But for those of us midway through our college endeavors, this spring holds much more.

Will the decisions of those who are leaving make it a struggle to change that which has been done? Or will the new breed of student take us into a collectively or not, "we" will make those decisions.

We are faced with a tuition increase this coming fall. We will elect a new Student Government Association in March. And as it looks now, we will decide if the Air Force ROTC can follow through on their efforts to put an F-4 on static display on University grounds.

As one who has gone the military route a couple of times, I feel we should keep the military where they belong; in the minds on those too

(See F-4, page 7)



letters

Resume book

To the Editor:

Congratulations! If you graduate in April, August or December of 1982, there is a new service the Career Center is ready to offer you. The service is a resume book designed in the same format used by many of the major universities in the country.

This book is projected to contain resumes of most, if not all, of our 1982 graduates. It will be mailed out to over 200 companies as an aid to help them fill their manpower needs.

This book will be a great benefit to you, at no cost. By using this book, employers will be able to contact students prior to scheduling on-campus interviews, to easily appraise students about employment opportunities as they occur, and to become familiar with the academic programs of Embry-Riddle Aeronautical University.

If you desire to be included in this book, please bring your completed resume to the Career Center on the second floor of the University Center by Feb. 12, 1982. If you need help in writing your resume, drop by and see one of the staff.

Any resume that is not turned in by Feb. 12, 1982 will not be included in the resume book.

This service is free to you, the 1982 graduate. If you have any questions, please contact me. Sincerely, Gregory S. Patschek, Administrator, Placement Services Industry Liaison Division

Ad feedback

To the Editor:

As a student of Embry-Riddle I feel it is the duty of *The Avion* to publish advertisements which may be of interest to the students. Naturally not all students have the same tastes and preferences. This was vividly displayed in a letter titled "Gunsmoke" which appeared in the last edition of *The Avion*.

The author of the letter asked a few questions, and made a few statements, which need to be answered or clarified. The first question was "what kind of person would buy a gun like this." As the son of a federally licensed firearms dealer, I can accurately say that firearm dealers strive to sell guns, only to people they feel are responsible members of our society. In addition to their own judgement,

the Government, whether it be federal, state, or local has set up various laws to make this more of a reality than the average person may be led to believe.

As an avid target shooter I find the statement "obviously, it is not used to hunt deer, it is for human," hard to swallow. The real heartburn of the matter comes from the statement "to buy this machine gun you need a mere 21 years of age with no past criminal record." The fact is, the firearm alluded to is not a machine gun. Although one not well learned in firearms might be easily confused by appearance alone, not to mention the use of the terms semi-automatic and machine gun as if they are related in some fashion.

Being a MERE 22 myself, maybe a consideration should be made to raise the drinking age and driving age to a mere 25 or 30. Consider that more deaths and injuries arise from these activities than those related to firearms.

Biker balks

To the Editor:

I was quite surprised to return this trimester and find that the administration had allotted funds for a motorcycle parking lot. Lines were painted and barriers installed but they forgot one thing: an entrance and exit. To solve this problem they made a dirt ramp from the faculty parking lot to the motorcycle parking lot. The only way one can successfully ride through this "barricade", is if one has a motocross bike. I have seen two people dump their bikes on that ramp and I have also slid around

on it. Why couldn't they just lay down some asphalt when they were paving the regular lot or even put down some of the material they use on the walkways? The only way this problem will be corrected is when a student dumps his or her motorcycle and tries to sue the school for an unsafe condition. Mitch Vaernick, Box 4518

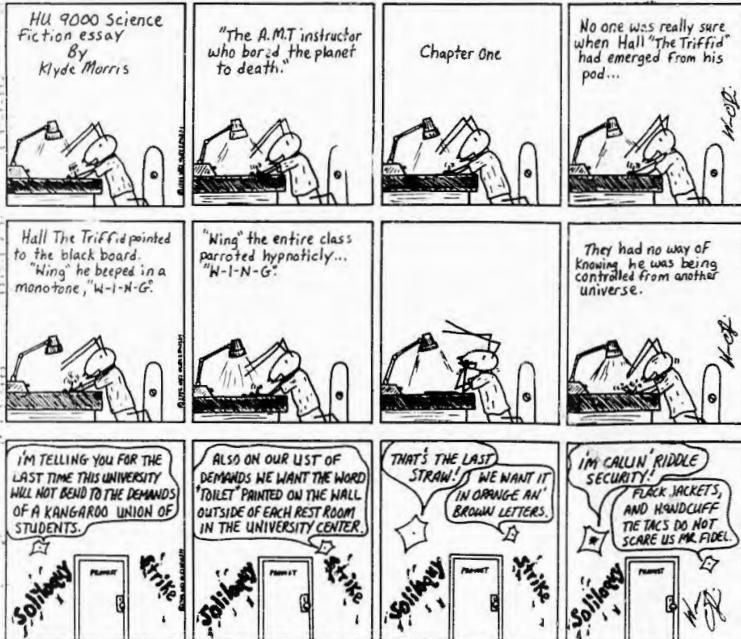
F-4 favored

To the Editor:

After reading the letter from Kevin Mess, I realized that not everyone would be in favor of a static display to represent the university, or am I reading the letter wrong. A static display for the university should be representative of the university student body. In this respect I agree with Kevin, but I do not agree with him that the AFROTC detachment here is trying to make Riddle a military academy. The F-4 in question should NOT be looked upon as a fighter or a military aircraft, but as a fine representative of the aviation industry that most of us are desiring to become a part of. This school holds many students in many different curriculums who upon graduation will attempt to enter an aviation career, not only as pilots or navigators for both the military and civilian firms, but also as Technicians in Aviation Maintenance, Aeronautical Engineers, Airport Management and many other areas. All of this should be reflected, if possible, in the static display.

Klyde Morris

wes oleszewski



the avion

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Vasectomy, headache and life insurance

By Doc Horwitz
PROS AND CONS OF VASECTOMY

According to the most recent studies, vasectomies have no effect on the production of testosterone or other hormones. The body still produces both sperm (which is reabsorbed by the body) and seminal fluid (which is ejaculated).

Vasectomies are considered so safe and simple that they're generally performed under local anesthetic in a doctor's office or in a clinic. The doctor makes one or two incisions in the scrotum through which each sperm-carrying tube (vas deferens) can be lifted out, cut, and closed, thus blocking the passage of sperm. The operation takes 20 minutes. Cost: \$100-250 (depending on clinic or physician).

Usually covered by Blue Shield or other private medical insurance. If it is performed on Friday afternoon, most men can go back to work on Monday. They then to wear an athletic supporter and to avoid heavy labor for a week to 10 days. There may be some discomfort

for several days. Usually ice packs and aspirin provide all the relief that is needed. Contraception is still necessary for the first 10 to 12 ejaculations after a vasectomy—until two samples of semen, generally taken a week or two apart, show no sperm.

Sperm antibodies develop in about 50 percent of vasectomized men. One type of antibody immobilizes sperm. The other causes sperm to agglutinate (clump together). These antibodies may prevent restoration of fertility in men whose vasectomies have later been reversed. But it is not yet known for what length of time these sperm antibodies go on being produced—and under what conditions the body stops producing them.

The results of an experiment on monkeys at the Oregon Primate Research Center, which concluded that vasectomies produced increased cholesterol and atherosclerotic plaque, were widely publicized. However, there were only five monkeys in the experimental group and the monkey's diet contained

twice the cholesterol found in an ordinary human diet. This study will have to be refined and repeated on a much larger scale before any firm conclusions can be drawn. Meanwhile, a low-cholesterol diet may be desirable for vasectomized men.

Vasectomies can be reversed. Microsurgical vasectomy reversal surgery is involved, microsurgical vasostomy (reconnecting the tubes) is the technique when remarriage or another major life change makes a man decide to father children again. Some doctors claim a 40-50 percent success rate on vasectomy reversals (provided the wife is fertile, of course). This figure will probably rise as microsurgical techniques continue to become more sophisticated.

More information: Association for Voluntary Sterilization, 708 Third Ave., New York 10017

HEADACHE RELIEF WITHOUT DRUGS

Relief from incapacitating tension, vascular, and migraine headaches is possible without drugs, using a self-administered

form of acupuncture known as acupressure. Exert very heavy thumb nail pressure (painful pressure) successively on nerves lying just below the surface of the skin at key points in the hands and wrists. As with acupuncture, no one's sure why it works. Pressure points to try: the triangle of flesh between the thumb and index finger on the back of your hands (thumb side of bone, near middle of the second metacarpal in the index finger). Just above the protruding bone on the thumb side of your wrist.

ALCOHOL WITHOUT HANGOVERS: Some hangover discomfort is caused by congeners (toxic chemicals formed during fermentation). Vodka has the lowest congeners (toxic chemicals formed during fermentation) content, gin next. Blended Scotch has four times the congener content of gin. Brandy, rum and pure malt Scotch have six times that amount; bourbon eight times.

Retard the absorption of alcohol by eating before and during drinking (especially foods containing

fatty proteins such as cheeses). Use water as a mixer. Carbonation speeds the absorption of alcohol.

If you get a hangover anyway, the only known cures are rest, aspirin, and time. Endless roster of other remedies—ranging from cucumber juice and salt to a half minute.

VITAMIN C AND ASPIRIN: Vitamin C and Aspirin should not be taken together. Studies at the University of Southern Illinois indicate that combined heavy doses produce excessive stomach irritation which could lead to ulcers (especially for those with a history of stomach problems).

EYE CARE Use eyedrops sparingly, especially commercial brands. Reason: They relieve redness by constricting blood vessels so eyes will look whiter. If used frequently, varicose veins can develop and eyes will become permanently red.

A DIFFERENT WAY A different way to treat muscle cramps: Acupinch. As soon as a muscle cramp begins, firmly grab the upper lip of the mouth with the thumb and the index finger and exert a constant pressure. The muscle cramp should go away within a half minute.

WANTS TO TRUST A LIFE INSURANCE COMPANY: When life insurance is purchased, and not federal regulations, be wary. Consumer protection varies around the country. (Twenty five percent of U.S. insurance companies domiciled in Arizona, 10 percent in Texas are in states that have low capitalization requirements.) Bankruptcy disasters could leave beneficiaries with worthless policies. Check out insurer's capitalization, reputation, creditworthiness before buying policy. Prime source: BEST'S REVIEW (Anbest Rd., Oldwick, N.J. 08858, monthly, \$12/yr.), it lists all domestic insurers with data necessary for proper choice. Beware if company isn't qualified to sell in New York, which has very tough standards.

letters

(continued from page 2)

What I suggest is that the static display be composed of many aircraft from many different areas of Aviation, and the F-4 be but one part of the display. I think that the AFROTC detachment should be commended, not condemned, for trying to do their part in the achievement of a common goal. To those that oppose an all military (one F-4) static display, I say: Do your part and get other displays from other facets of aviation, maybe even the one you are interested in, so that the display will be truly representative of the Embry-Riddle Aeronautical University student body.
John Holmberg, Freshman

Wind tunnel

I would like to comment on the question asked at the most recent SGA Forum concerning the origin and quality of some of the equipment in our wind tunnel laboratory. I represented the Engineering Department at the Forum and was going to answer the question, but President Hunt was at the podium and responded since he is familiar with the history of the lab. I want to expand upon his response.

Since Summer '79, I have been the supervisor of the wind tunnel lab and have taught all the wind tunnel lab courses (AE310 and AE410). During that period, I have heard a range of misunderstanding or incorrect statements about what the tunnels are and what they can be used for which astounded, amused and occasionally disappoint me. Please permit me to clarify the situation.

To begin with, we are proud of the quality of our lab. It is a popular stop on campus tours. Recent visitors who were favorably impressed include the FAA Administrator, the Director of NASA/Lewis and the members of the Engineering Department's Industrial Advisory Committee. I am going to deliver a technical forum at the Sun 'n Fun Fly-in in Lakeland next month on how our largest tunnel can be employed in evaluating homebuilt aircraft designs. I would be happy to show the lab to any student or group. It is on the first floor of the Engineering Building, and you are welcome to walk in and look around if no class is in progress. I am almost always somewhere in the building if you want to discuss what you see.

We have three wind tunnels. The main tunnel has a test section 3 feet high by 4½ feet wide and airspeed is about 110 mph. It was designed and built by faculty and student, in the late 60's. The Cadillac engine asked about at the SGA forum was installed to replace a less powerful engine after the tunnel had been completed and running for several years. The entire tunnel was moved across campus when the current Engineering building was built in Summer '78 and it took a couple trimesters to reassemble, redesign part of it and get it operating again. It has been in regular use since then.

We have a new flow visualization (smoke) tunnel which we also designed and built ourselves. We built our own because we want to, not because we have to. Within the spirit of my connection with E-RAU, the administration has been pretty reasonably about approving budget requests for lab equipment.

We gave our old smoke tunnel to Prescott as soon as we had the new (and superior) one working well.

We have a very small supersonic tunnel which I reassembled for the 15th Anniversary Open House. It had been disassembled and in storage for several years. We applied for matching funds grant from the National Science Foundation last summer to buy a new, larger supersonic tunnel, at a cost of about \$40,000, but did not get the grant. They felt that what we have is adequate for undergraduate demonstrations.

Boeing vertol offered us a 16-inch square wind tunnel with a speed capability of about 200 mph last fall. We would have like to have it, but didn't really need it and weren't sure where we could put it, so we arranged for Prescott to get it.

I hope this will clear up any misinformation. Remember, all students, not just engineering, are welcome to visit the lab. Chuck Eastlake, Assistant Professor
Aero. Engineering Department

Security?

To the Editor:
It has become painfully clear that in a department of this university, there exists a great deal of incompetence. This department, unfortunately happens to be the safety/security office.

The reason I feel it necessary to bring this to the attention of students and administration alike, is due to the blatant disconcern

towards students. According to President Jack Hunt's employee creed, the reason staff, faculty, and administrative personnel have jobs is because of the students here that make up this University. If this creed were upheld by safety, one would imagine that any rule changes concerning the parking lots would be communicated to the students before going into effect.

According to safety's own guards, so far this trimester the rules in the Faculty/Staff (J-Lot) parking area have changed three times, yet students have been informed of these changes. At first there are spaces not marked "faculty" in which one could park. Then this changed to spaces after the last street light pole. And now, not at all. As it stands, a student is advised of the change with a nasty-gram in his/her box and a fine of \$10 charged against his account.

It is hoped that as a result of this letter, perhaps someone in the administration would take time out to go over the employee handbook (which contains the employee creed) with Joe Craddock and Bob Walters. Maybe, after that is accomplished, students might get a fair shake in this matter. In the meantime security should retard the money that they have practically embezzled.
A Concerned Student

Peace lovers

To the Editor:
It is obvious that there are people who desire the American way of life. We Americans are proud to know that when our nation is threatened there will be "peace loving civilians" to stand up and defend our red, white, and blue. Uniforms are for professionals, E-RAU is a school for professionals. ROTC is the largest organization at Riddle, but they're certainly not trying to take over E-RAU. If a cadet ever holds you at gun point and forces you into a uniform, please read his or her name tag and respectfully report them to an E-RAU Official. Everyone in ROTC is there by his own choosing. They are proud to wave the flag for their nation!

Riddle has definitely not become a military academy. Riddle will always be a private university for aeronautically inclined individual, but this university also has students who someday wish to serve their country in the field of aviation. For your information, because of the research and

development programs of the military, this country leads the world in aerospace development. The military has the largest concentration of pilots and other aviation specialists which lend to the great strides this country makes in the field of aviation.

As in the past, the future will see the "peace loving civilians" call upon the military to protect this great nation again and again. E-RAU Army ROTC, Glass Office, no. 10

Militaristic?

To the Editor:
I have something to say to those who are opposing the acquisition of the F-4 because they seem to feel that it represents the "military" and "war" and that the school is already too militaristic. Just remember one important thing: the only reason you have the freedom to make such asinine statements is because of past military victories

that our nation has provided for you. And something that might shock many people is that I make this statement having no connection with the ROTC detachment and no prior military service. I am a civilian who is proud of this nation and one who realizes that it is the military might of our nation that has made us and kept us free. One last comment: the F-4 is a beautiful, high performance air-

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Old Milwaukee-6 pk	1.69	Seagrams Wolf Jug	8.38
Busch-6 pk	2.09	Seagrams Wolf Schmidt	4.99
Budweiser-6 pk	2.39	Taaka-1tr	4.99
Miller Lite-6 pk	2.35	Fleishmams-1.75 Itr	8.79
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Heineken-6 pk	3.59	Jim Beam-1tr	4.99
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Aero Engineering department recognizes faculty

By Howard D. Curtis, Chairman
Aero. Engineering Department
Faculty

The Aeronautical Engineering Department added two new members to its faculty, bringing the total to 13. Assistant Professor Donald Broadhurst, formerly of the Aeronautical Sciences Department, came on board in September. Glea Greiner, an outstanding E-RAU Aeronautical Engineering student who graduated in December, joined the faculty as an associate instructor in January.

Although teaching duties were their prime occupation, several faculty found time to devote to professional activity and development. Chuck Eastlake, Assistant

Professor, passed a two-day 16-hour battery of engineering exams to become licensed as a Professional Engineer by the state of Florida. This brings the number of licensed engineers on the faculty to four, the others being Professor Howard Curtis, Associate Professor Howard Curtis, Associate Professor Wayne Nack.

When the wind tunnel laboratory (AE 310, AE410) textbook was out of print, Eastlake took it upon himself to write a new manual, while at the same time, undertaking a major revision of the Aircraft Detail Design textbook. Chuck will deliver a presentation to the Experimental Aircraft Association (EAA) on the wind tunnel laboratory course, AE310.

At the same EAA Convention, Assistant Professor Rich Neate will deliver a talk on the unique In-Flight Laboratory course he has been teaching since Jan. 1981 using the department's instrumented Cessna 172.

John Hiltel, Instructor, lent his expertise in computer technology to the NASA helicopter research program at the Ames Research Center in Palo Alto, California, during a ten-week summer, 1981, stay fully sponsored jointly by NASA and the American Society for Engineering Education (ASEE). In recognition of his contribution, NASA has invited John back to Ames for a second ten-week sponsored program in Summer 1982.

Wayne Nack received a grant, through the Aviation Research Center, from the U.S. Air Force Office of Scientific Research to develop a new numerical design procedure for optimization of the dynamic response of structures, which can be applied to aircraft design. Nack, who brings his recognized expertise in structural mechanics to the classroom, also had several papers accepted for publication in major technical journals.

Jim Ladecis, working towards the Ph.D. from the University of Florida, completed a unique analytical and experimental research project on the complex aerodynamics of sails. Jim's experimental data was gathered in

the Aeronautical Engineering Department's wind tunnel using a sailboat model and force balance, both of Jim's own design. The patentable six-component force balance, which can also be used with aircraft models, is worth many thousands of dollars, could be purchased, and it will become a permanent part of the department's wind tunnel facility for use in instruction.

STUDENTS
During this past year, extracurricular activity opportunities increased for the 600 Aeronautical Engineering and 200 Aircraft Engineering Technology students. The Embry-Riddle student chapter of the American Institute of Aeronautics and Astronautics (AIAA) increased in membership and organized charter bus trips to both Space Shuttle launches in 1981. Student members attended AIAA local section meetings in Cocoa Beach, participated in 50th anniversary re-chartering ceremonies at the Southeastern U.S. Student AIAA Conference in Orlando, and spent a day at the 20th AIAA Aerospace Science Technical Meeting, also held in Orlando.

Embry-Riddle's AIAA chapter also sponsored a "first annual" campus-wide glider contest, held in the University Center, and well-received by the student body. E-RAU's chapter of Sigma Gamma Tau, the national aerospace engineering honor society, instituted a free tutoring service for engineering students and volunteered to judge science fairs in local public schools. The faculty advisors for AIAA and Sigma Gamma Tau are, respectively, Tej Gupta and Chuck Eastlake of the AE faculty.

Growing numbers of Aeronautical Engineering seniors took the eight-hour Engineer Intern Exam on campus. This examination is the first step towards the Professional Engineering License. Since 1976 it has been administered twice a year on the E-RAU campus by Professional Engineers on the AE faculty for the Florida State Board of Professional Engineers. E-RAU student performance on this exam have consistently been excellent.

E-RAU engineering graduates continue to be in demand by the aerospace industry. The average starting salary offer over the past year was \$22,000.

L-5 Society welcomes Dr. Gerard O'Neill

By Rob Dixon
L-5 Information Officer

The L-5 Aerospace Society welcomes Dr. Gerard O'Neill, who will be speaking in the University Center tonight at 8:00 PM. We will be holding a small reception for Dr. O'Neill after his lecture. O'Neill is a renowned space physicist whose insight into the

utilization of space resources and concepts for improving life in the future through science has won him world wide recognition.

Our weekly meeting will be held tonight, as usual, at 6:00 PM in room A-208 (above the library). We have many activities planned for this trimester. For instance, we will view "The Universe" at the

Daytona Beach Planetarium after the meeting next Wednesday. The cost is 75 cents per person and we will be driving down and back in carpools. Also, on Thursday evening, February 25, we will view a satellite launch at Ponce Inlet.

So, if you are interested in the resources and technology of space, we urge you to stop by at one of

our meetings. Tonight, our feature NASA movie is "Spaceship Skybox," so remember, that's 6:00 PM in room A-208. All are welcome!

Management club holds seminar

All students, faculty and staff are reminded that the next Investment Seminar will be held February 16, at 7 p.m. in the CPR. Mr. Pete LaRosa, of Embry-Riddle and Merrill Lynch, will be speaking on "Money Markets and Banking." The topics on March 2, 16 and 30, will be Capital Markets and Bonds, Stock Market and Commodities, Futures and Options, respectively. The seminar is free to members and \$1 for non-members. All students, faculty and staff are welcome to attend.

letters

craft first and foremost. True, it has a function in military service but why let that get in the way of admiring a great example of aeronautical engineering? To do so is absurd. To reason along that line would lead to the conclusion that no aircraft could be displayed here at Riddle, for ANY aircraft can be used in a military fashion, even a 747 1, for one, am pleased that this aircraft is being offered to us

for free, and would be proud to see it displayed here on campus.

Steven C. Kysar
Box 3572

(Editor's note: due to large response, all letters not printed this week will be published in the following issues. We apologize for the delay and thank you for your response.)

Critic's Eye...

"Absence of Malice" is well worthwhile

By Jeff Guzzetti
Avion Staff Reporter

Last week, I noticed that some felt that my review of "Sharky's Machine" was a bit too critical and negative. However, this week, I'm reviewing a film that deserves a much more positive attitude.

The film is "Absence of Malice," and it stars the incomparable Paul Newman and the talented (and very pretty) Sally Field (of the "Flye Nun" for all you TV addicts). The movie is a PG rated, Columbia Pictures release and is now playing at the Belair Cinemas.

"Absence of Malice" is a fast-paced, provocative film that analyzes the newspaper industry and its implications in our society. The general plot of this movie blends the newsroom drama of "Lou Grant," the air of suspense of "All the President's Men," and the surprising twist of "The Sting."

Paul Newman plays Michael Gallagher, a successful Miami liquor wholesaler who has the misfortune of having a father and an uncle involved in organized crime. Sally Field plays Megan Carter, an aspiring, talented news journalist that sometimes goes about her job in a callous and unscrupulous manner. When Gallagher's father is killed, Carter writes a front page story (given to her by an eccentric and unethical crime strike force leader) that states that Gallagher is under investigation for the crime. Carter's article is accurate, but like the movie ad states, "it's all a lie."

Anyway, Gallagher is outraged and meets Carter. The story develops from there, and finally

ends when Gallagher employs a well thought-out, non-violent scam against everyone, which the audience relishes with sweet revenge.

However, no movie escapes my critical eye, and I feel that "Absence of Malice" has some misgivings. For instance, the relationship that develops between Newman and Field is somewhat erratic and vague. In one scene, Newman practically rapes Field in anger and two scenes later, they're in bed. Also, the plot sometimes becomes too involved for the audience to fully comprehend.

"Absence of Malice" does raise

some deep questions on the power of the press. In one prophetic scene, a veteran news reporter, who is Carter's boss states, "I know how to tell the truth, and I know how not to hurt people... but I don't know how to do both at the same time."

Overall, I give a hearty recommendation for "Absence of Malice," even though it has the potential for becoming an even better film. "Absence of Malice" is a well-acted, well-written, provocative movie that is worth watching at least once.

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Sports editorial

Once again brutality detracts from NHL

By David Frost
Sports Editor

In recent weeks the National Hockey League has been making the headlines. The headlines have been focusing on hockey's more gruesome side; that of penalties and fighting.

In a game between the Los Angeles Kings and Vancouver Canucks a couple of weeks ago, a typical bench-clearing brawl erupted. The irony to this fight is that a hockey player got in trouble with his coach for not wanting to participate in the fight. The Kings' rookie coach Don Perry ordered Paul Mulvey to leave the bench and jump into the melee. Mulvey refused and he had good reason for his non-action. First, not everyone on both teams had left the benches and there is a league rule that specifies that anyone leaving the bench to join a fight would receive an automatic three game suspension. Second, Mulvey had already accumulated 126 penalty minutes and a one game suspension this season. The next day Paul Mulvey was out on the street looking for a job; the Kings didn't want someone on the team who would not fight.

The official stand on fighting by the NHL is that it is allowed as an outlet for frustration. They say if they did not allow fighting, then players would most likely get hurt from swinging sticks. Don't tell that to Paul Gardner of the Pittsburgh Penguins. Gardner was involved in a fight and suffered a broken jaw from a punch he never saw, by a player not involved in the fight. The player who broke Gardner's jaw received a 10 game suspension.

An excuse from some NHL officials is that it is the fans that cause the fights at games. Some said that the players fight to satisfy the fans' demand and to fill seats for their own pockets. With these facts appearing true every day, it seems the NHL has lost sight of the real meaning and value of the game of hockey.

A nonviolent game of hockey is possible. One that comes to mind to many Americans when talking of pure hockey finesse is the 1980 Winter Olympics. The U.S. hockey team won a gold medal and there was very little violence involved in that entire competition. It was proven that a hockey team can win without fighting. This style is continually demonstrated throughout Europe.

A man is kicked off a team for not fighting and another is gone for just 10 games for fighting. Hockey is a fine game when played at its best. Many people love the Olympics for this reason. The NHL should really step back and take a look at itself. They've already lost national television coverage and exposure through the media, and exposuriously happens when fighting breaks out. Paul Mulvey was shafted and his case is up for a hearing from the NHL. Maybe a quote by NHL's "I went to a fight the other night and a hockey game broke out."

Basketball

The Recreation Office's Double Elimination Basketball Tournament got underway Tuesday night with the STAINS downing the SIXERS 61-48, SEAGRAMS overpowering the NETS 73-36, and the RUM RUNNERS beating out the NOCES 71-61 in exciting 55-47 victory.

Double figure Scorers for the first evenings play were:

- Rum Runners
Jim Pisacco.....24 points
Dennis Lockett.....14 points
Jeff Zimmerman.....12 points

- Nets
Myles Loesel.....23 points
Seagrams
Bob Lawlor.....20 points
George Zimmer.....17 points
Glenn Alkire.....15 points

- Sixers
Steve Singleton.....16 points
Paul Lang.....10 points

- Stains
Ray Rinshaw.....12 points
Scott Buech.....10 points

- Nets
Kevin Kelly.....12 points
Marvin Thompson.....10 points.

Rounding out the 1st week of basketball on Saturday we saw the Army ROTC forfeiting to the Slammers, the Shockers beating 16th Team 69-45; Brothers of the Wind overpowering Delta Chi 84-41; the Postimers just slipping by Sigma Chi 59-54, and the Rockers edging Flight Tech 65-51. 1st Quar/2nd Q/3rd Q/4th Q/Total
Shockers-20-12-17-20-69
16th Team-8-10-7-20-45
B.O.W.-23-15-22-24-84
Delta Chi-5-14-17-41
Postimers-10-14-10-25-39
Sigma Chi-11-13-14-16-54
Rockers-13-21-14-17-65
Flight Tech-8-16-12-15-51

Intramural Sports Results



High Performance scorers on Saturday were:
Brothers of the Wind, Dan Johnson, 28

- "Slim" Andrews, 19
Postimers, Rick Parker, 18
Shockers, Kevin Heinz, 18
Rockers, William Patton, 18
B.O.W., Greg Dickerson, 17
Postimers, Bob Plumb, 16
Shockers, Teddy Oliver, 16
Delta Chi, Scott Trugaita, 15
Sigma Chi, Joe Torch, 14
Flight Tech, John Fry, 14
16th Team, Billy Brewer, 14
Sigma Chi, A.G. Rior III, 14
B.O.W., James Modeste, 12
Postimers, Rick Dyer, 12
Sigma Chi, Bear Meixwell, 12
Flight Tech, Howie Taylor, 12
16th Team, Bob Bozek, 10
Flight Tech Rowan Wiley, 10

The games are played at the YM-CA, 825 Derbyshire Tuesday evenings starting at 5 p.m. and Saturdays at 10 a.m. Spectators are welcome to cheer their team to victory.

Hockey

- As the 2nd week of hockey closes, the Monday evening standings show the top contenders as:
Sigma Chi.....1-0-1
Odballs.....1-0-1
Organized Crime.....1-1-0
Speed Sticks.....1-0-0
Yukons.....1-0-0
B. Delusk Bro.....1-0-0
Wednesday Division has the:
Happy Hookers.....2-0-0
Tastic Buds.....1-0-1
Puck Offs.....1-0-1
Comets.....1-0-1
Knucks.....0-0-2

Softball

- Misfits won by forfeit from Iron Fist
Space Coke won 14-13 from Combustion
Vets won 19-1 from Southern I.C.E.
Specials won 12-3 from Our Gang

- Cat House Crazyes won 10-7 from Tastebuds
Cast Raiders won 28-6 from Alpha Eta Rho
Ball Jamners won 9-4 from Physical Plan
M. Fuggers won 8-3 from Super Tomcats
Air Force won 11-2 from Cosmic Lizards
Lambda Chi won by forfeit from Sals
Need a Team won 11-9 from Vets
Leonards won 9-8 from Carujo's Sluggers
Oriones won 10-7 from Brothers of the Wind
Gressers won 15-13 from Psycho Squadrone
Squadrons won 7-5 from Wild Turkeys
Sigma Chi won 10-1 from Derbyshires
Destroyers won 28-5 from Megatron Man
Canias won 7-6 from Nutbusters
Destructive Youth won 17-4 from Muppets
Fudduckers won 10-2 from Phantoms
Nads won 9-7 from Management Club
Outlaws won 10-5 from Sigma Phi Delta
Tomcats won 15-0 from Hurricanes
Arnold Air won 10-8 from Organized Crime
Army R.G.T.C. Raiders won 15-14 from Snapping Woods
69'ers won 24-5 from Delta Chi

Intramural Sports

Sign up now for Sharp Shoot Basketball in the Recreation Office, Dorm 2 Room 274.
Sign up now for 3 on 3 volleyball in the Recreation Office.
A new timed 1500m contest held by the Recreation Office on February 18 at 5 p.m. Sign up now. More details in the office.

Bowling news

Rankin and Junge set pace

On Monday February 1, the ERAU Bowlers held a meeting to vote on changing the ban cap percentage from 100% of 180 to 75% of 180. The vote favored the change.

The league's Secretary, Bryan Maguire, celebrated his birthday at the lanes till 1:30 a.m. His 23rd birthday only began at midnight, but the party started early in the evening. Congratulations, Bry.

Team standings are as follows:
Head Till They're Dead 11-1-5541
Quad Squad 10-2-5095

- 9-3-5462
8-4-5646
8-4-5554
8-4-5515
8-4-5481
7-5-5317
6-6-5458
6-6-5213
6-6-4954
6-6-4619
6-8-5230
4-8-4587
4-8-4571
3-9-5243
3-9-4737

- 1-3-1561
2-10-4848
1-11-5113
Men's high series goes to Dave Peters with 543, Ken Clark with 542 and Bob Junge with 531.
Men's high game: Bob Junge 212, Dave Peters 211 and Teddy Phillips 207.
Women's high series goes to Julie Rankin with 488, Mayme Rogers with 473 and Suzanne McKenny with 464. Women's high game: Julie Rankin 205, Suzanne McKenny 168 and 166 and Mayme Rogers 166.

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The Avion: a look behind the scene of a newspaper

By Jean Snyder
Publications Coordinator
"When is the paper coming out?"

"Is the paper here yet?"
"Why isn't it here yet?"
Weekly, hundreds of students stop by the Student Publications office to ask these questions. The answers each week may vary, but the process of producing a weekly newspaper and getting it to the students, staff and faculty on time is a story in itself. Perhaps by telling the story, these questions and others may be answered.

The Avion Newspaper is not printed on campus. It is published

by the efforts of Florida Graphics, located on Mason Avenue, Daytona Beach, and at Daniels Publishing in Orlando, Florida.

The purpose of this round-about method of publishing is due to the student staff's desire for a quality product to you, delivered at a reasonable time. Over the last five years the process for publishing the paper has changed five times, each time changing to improve quality, service and efficiency.

Presently, the student staff writes all the copy (stories) for the paper. Typesetting on the new Compugraphics 7300 Editwriter machine is done by students and

university staff, then the articles, pictures, headlines and more are compiled (during "lay-out.") by student news layout artists.

This is all done at E-RAU between Friday and Monday night (on Tuesday morning 1-2 a.m.), as the case may be. Then the paper is delivered to Florida Graphics for all half-toning of photographs, complete page negative work and photo negative stripping into the paper negatives. This must be done from 8:30 a.m. Tuesday to about 3 p.m. Tuesday.

Then a student, (paid basically for gas), picks up the negatives, which have been boxed, and goes

to the Greyhound station on Ridgewood Avenue for shipment to Orlando in the late afternoon.

If everything is exactly on time, the papers are picked up by one of Daniel's Publishing staff and the process of printing the paper begins. Once the "cold-type" process of printing is complete, the pages must be compiled, folded and bundled. This is usually accomplished by 10:30 - 11 a.m. in the morning (if all other times have been made without delays). The same traveling student drives to Orlando, and picks up all 4,000 papers, drives back and delivers

them on campus and also does all mailing distribution that must be done.

This is all done on Wednesday. But the stories and photo assignments have already been handed out on Tuesday at the Avion staff meeting and the process of getting the paper for the following week is already in the

works.
This is an explanation of the way things work in *The Avion*, and if any of the students would like to be a part in making it happen faster, better and with more quality, please stop by student publications and let the Publications Coordinator or any student staff member know.

notices

Housing contracts

Any student interested in University Housing for the 1982-83 academic year MUST complete a Housing Contract between Jan. 18 and Feb. 19, 1982.

Contracts are available at the Housing Office, Residence Hall II, Room 278. A \$95.00 non-refundable prepayment must be submitted AT THE TIME OF APPLICATION. Guarantees of financial aid cannot be accepted in lieu of payment. Contracts submitted without the prepayment will not be considered.

Although individual room choice cannot be guaranteed, students who sign up at this time will be guaranteed an assignment in the facility of their choice.

Please be aware of the contract dates:

Resident Hall I - Fall 1982 through Summer B 1983

Resident Hall II - Fall 1982 through Summer B 1983

Apartment Complex I - Fall 1982 through Spring 1983

Apartment Complex II - Fall 1982 through Spring 1983

You are obligated to remain in University Housing for the entire contract period unless you are not enrolled at the university in a particular trimester. No requests for contract release will be granted, so please make certain of your desire for University Housing before committing yourself to a contract.

Should you have any questions, please feel free to contact the Housing Office.

Dr. Herron will be absent

Dr. Herron will not be at Health Services Friday, February 12, 1982

C&O deadline

Deadline is Wednesday for C&O charter forms. All charter forms must be in by Wednesday or the club will be deactivated, and club privileges will be rescinded.

Rape/assault seminar

Rape/Assault seminar will be held February, 15 at 7:30 pm in the Riddle Theater.



F-4 (continued from page 2)

young to belong but aspire, in the classrooms of ROTC aides becoming and on the bases of those who have become.

I feel Air Force ROTC is earnest in their efforts to enhance our campus, but this case deserves a thumbs for the effort, and a no-thanks for the desired result. The Air Force ROTC cadets are young, highly motivated, spirited individuals who are capable of much more should they channel their time and energy into other areas. What ever happened to the days of planting shrubs?

Has anyone considered displaying an aircraft that would represent all facets of aviation? Before commercial, general or military aviation, there was one common

goal: to fly.

If we choose to cast out an image to our community and the passing motorist, let us do so in a totally representative way. As the only completely aviation oriented university in the U.S., we have the obligation to represent all students who study here. And I do not believe that putting an F-4 on static display does that.

Moslems seek attention

By Max Corneau
Business Manager

Monday morning, Feb. 8, several students erected a structure in the U.C. with such statements as, "Did you know, on the average one person is executed every 25 minutes in Iran?"

The organization behind the students in the U.C. is the Moslem Students Society. The MSS is not a campus based organization but it's represented at E-RAU by the Moslem Students Association. The Moslem students are circulating a petition which is meant to exert political pressure on the

Khoemeni's regime. The petition originally sponsored by the People's Mojahedin Organization of Iran is going to be circulated to Amnesty International, the Secretary General of the United Nations, the International Red Cross and finally, the Permanent Missions of Progressive Countries of the U.N..

According to a spokesman for Nabill Hammid, president of the E-RAU Moslem Student's Association, "We are here today trying to get the student's attention concerning the genocide now taking place in Iran."

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Tonight

See

Dr. Gerard K. O'Neill

Author of "The High Frontier"

8:00pm in the U.C.

Lecture Topic

"2081: A Hopeful View for Mankind"

Dr. O'Neill is a renowned physicist whose insights into the utilization of space resources and concepts for improving life in the future through science have brought him world wide recognition

Sponsored by the Entertainment Committee

Chess club holds nationally rated championship

By Kenneth Barrett

E-RAU sponsored its first United States Chess Federation tournament last Sunday. The 26 players came from all over the state, and from many chess clubs, to compete in the "Daytona Tornado." Many of them were nationally rated, although some were beginners. The prize money was exhaustive, totalling nearly \$200 was awarded.

Position 1: Bruce Frink (Daytona Beach), Rating 1934
 Position 2: Charles Hall (Merritt Island), Rating 1810
 (Tie)
 Position 3: Paul Tomiano (Winter park), Rating N/A
 Sidney Auslander (Winter Park), Rating 1741
 John Konner (Melbourne), Rating 1619
 Ray Segebeck (Winter Park), Rating 1483
 Position 4: P.C. Cox (Winter Park), Rating 1483

(Tie)
 Position 5: John Ruzicka (DeLeon Springs), Rating 1249
 Phil Daley (Ridley Hill), Rating 1275
 Al Gulamali (Melbourne), Rating 900
 Several E-RAU students, as well as a teacher were involved. Karl Johnson, rated no. 3 in the E-RAU Chess Club, exclaimed, "It's amazing, I'm glad I won one" after Douglas Gopetsching (Gainesville) resigned in the fourth match. Robert Burnett didn't

think another, and lost two games. He lost his final game due to a "silly mistake" which excluded him from a share of the prize money. Rick Hebert said the competition was "tough" and that the tournament was well run. He was happy at what he considered to be "revenge" on a Daytona Beach man who beat him in an earlier draw.
 Rick White was surprised that he didn't win more than once. He said he had "good position in three

games." Several of Riddle's best chess players were unable to play. Peter LaPiana, (because he was directing it) Roger Kayser, and Ken Barrett were missed.
 Peter LaPiana, the E-RAU Chess Club president was the Chief Tournament Director. He was responsible for pairing up individuals for each match. He

like he was proctoring his first final exam... ALL DAY LONG, and that "he felt great." He also decided on allowing ties instead of picking a tie-breaking method.
 Bruce Frink, the highest rated entry (1934) won each game as well as the prize money. His residence is in Daytona Beach. For your information, a rating of 2000 is considered perhaps typifies some of the tournament players. Once a chemical engineer and a small business owner, he travelled from Winter Park to compete. He feels there are not enough tournaments in driving range. He usually competes in Jacksonville, Orlando, and Miami too. He said he plays for ratings and doesn't consider the \$70 first place prize money.

USAF F-15 on static display Thursday

By Gary Tarizzo
 Avion Staff Reporter

On Thursday, February 11, Embry-Riddle students will have a chance to meet an extraordinary pilot and former commander of the "Thunderbirds", Brigadier General Thomas S. Swalm. General Swalm will park his F-15 Eagle at the Riddle Ramp at 2 p.m. this Thursday for static display.

old friend, Mr. Dick VanBibber. VanBibber has been an Aeronautical Science Instructor for the last two years at Embry-Riddle.
 Gen. Swalm was born on September 28, 1931 in San Diego California. He received a bachelor of science degree in psychology from the University of Oregon, and a masters of science degree in public administration from George Washington University. He was enrolled in the Reserve Officer's Training Corps program until he

was commissioned in 1954. Where upon he received his pilot wings in April 1956 at Bryan Air Force Base, Texas.

and I was in the five fifty seventh (557th). He also recalls, "General Swalm was one of the coolest and most loyal friends I ever had." While in Vietnam, the General flew over 220 combat missions in the F-4."

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- CHARTERS
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General Swalm will be here to speak to the Daytona Beach chapter of the Military Order of World Wars, at the request of an

the general then was assigned F-100's and flew with the 50th Tactical Fighter Wing at Tou-Rosieres Air Base, France, and Hahn Air Base, Germany, until May 1961. In 1964 he entered the Air Command and Staff College at Maxwell AFB, Alabama.

The general's first assignment was as a T-33 instructor at the Fighter-Interceptor Weapons School at Tyndall AFB, Florida. The General then flew with Mr. Ed Yackel, a Flight Standards Pilot, in T-33's. The two were involved in the ground controllers intercept school acting as targets for F-84's.

In May 1970 General Swalm was selected to be Commander/leader of the "Thunderbirds," the U.S. Air Force Aerial Demonstration Squadron. He commanded the team for 33 months and flew in 290 official airshows until he entered the National War College where he graduated in May 1974.

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Fellowship club to hear evangelist Ward

On Friday Jan. 29, Embry-Riddle's Christian Fellowship Club was invited to Seacoast Cathedral by Rev. Charles McClure to hear Dr. C.M. Ward, an international evangelist.

which has been over fifty-two years.

Dr. Ward's teaching was based on Rev. 2:12. He first spoke of the bible as being the only "door" which can be opened to seek God. He went on to mention the cults and false religions that had tried to imitate the bible. In addition, he shared with us personal experiences throughout his ministry,

Dr. Ward is acclaimed all over the world as one of the greatest pulpit orators of the 20th century. He has not only preached all over the world, but has been on the international voice of "Revivaltime", heard weekly by millions who listen to the broadcast, on more than 650 stations. His preaching is one of intrigue, color, and excitement, which will long be remembered.

General Swalm and VanBibber flew F-4's together and were upgraded as instructor pilots at Davis-Muthan AFB, Arizona. The two were then roommates in survival school at Fairchild AFB in Spokane, Washington. Mr. VanBibber recalls, "Our next assignment was at Cam Ranh Bay Air Base, Republic of Vietnam. He was the thirty ninth worst (391st)

The last time that Mr. VanBibber had seen General Swalm, was during the Thunderbirds AirShow performance at Reese AFB Lubbock, Texas, in 1972.

General Swalm is presently commander of the U.S. Air Force Tactical Air Warfare Center at Eglin Air Force Base, Panama City, Florida.

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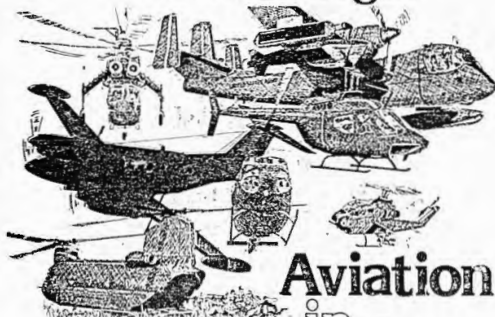
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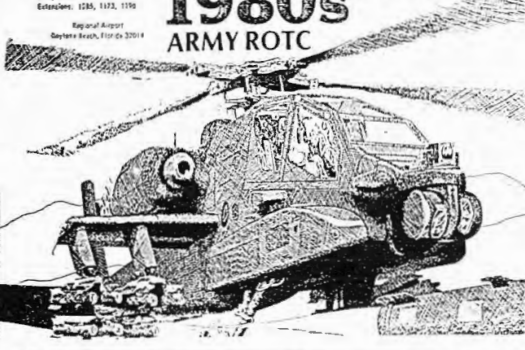
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autos for sale

1981 TOYOTA STABLET, 45-50 mpg, still under warranty, \$6000. 672-9581.

1980 Yamaha XS650 Special excellent condition, low mileage, call Bill, 257-6397 or leave message in Box 7399

1981 TOYOTA STABLET, 45-50 mpg, still under warranty, \$6000. 672-9581.

FOR SALE: 1971 Corvair, 350 auto, PS, PB, air. Like new. 673-0132.

1971 OLDS CUTLASS, 350 engine, VERY DEPENDABLE \$300. Wallace, 255-2305.

73 GRAN TORINO, 351 cu. in., AC, PS, PB, AM/FM 8-Track. Good condition. Must see. 788-3874 after 5:30 p.m. \$950.

1976 FORD PINTO COUPE, 4 cylinder, 4 speed, mechanically sound, easy on fuel. \$1650. 761-7424 or Box 2238.

1969 CORVETTE convertible with removable hardtop. Mechanically perfect. Very sharp! \$5000. 761-4724.

1980 FIAT 124 Spider convertible, 25,000 miles. White with red interior, mag wheels. \$3500. 767-9044.

1981 TOYOTA Pick up, AM/FM stereo cassette, under 10,000 miles, 5 year warranty. ERAU Est. 1200 or 672-9583, \$6500.

Iron Horse Saloon
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Beer Wine Food

BUICK RIVERIA. Good engine and transmission, AM/FM, no rust. Contact Bob 5271.

1976 TOYOTA CELICA GT Ltr. back. 5 speed, air, power, stereo, 57,000 miles. \$2700. 767-5044.

1974 NOVA, 4 door, 6 cyl., 40,000 original miles. P.B., P.S., air cond., AM/FM, new battery, good tires, excellent transportation. Must sell, asking \$1300 or Box 5518.

1969 PLYMOUTH Roadrunner. 58,000 miles, excellent condition. 383 Magnum, new paint, interior, exhaust, ET X's, wags. Fictone Superports etc. much more! Must see! Call 255-4299 evenings. A. King 57300 or best offer.

1979 TOYOTA GT 5 speed, AM/FM stereo, air conditioning, sport wheels, 27,000 miles, maroon with tan interior. \$5500. Call 252-3421 days, 6:30-9:00 after 6 p.m., ask for Woody.

1970 OLDS TORONADO, very good running condition, new tires (steel radial), new alternator and regulator, well cared for and maintained. 15-17 mpg, 455 cid engine with 375 hp. Front wheel drive. \$500 or best offer. 252-3997 or Box 1448.

FOR SALE: 1972 Dodge Dart Darton, the body is in good condition with only 10% of rust in fixable places. However the timing chain and radiator were disassembled so these items will have to be installed. Information, contact me either by Box 2577 or call 767-8025 and ask for Ken.

1969 VW BE: rebuilt engine and transmission, new paint, carpet. Good condition, must sell. \$800. Call 253-3315 or Box 7110

FOR SALE: R/C Porsche 911 body Associate 100 frame, new Vee engine, new Futaba radio plus servos. \$175. Mike Box 849

69 FORD GRAN TORINO, good condition, 5100. Bill Phillips at flight line or home 672-7484.

1972 HONDA 350CB twin in good condition. Runs, needs some work done to it. It was just tuned up, oil changed, new brake, new wiring, and rings. Must sell as soon as possible. Asking only \$300. Call 253-3457 after 5 p.m.

KAWASAKI 500 '76: RDs to shame! Very fast. New tires, new clutch, new seat. \$400 or best offer. Call Keith at 258-0579 after 6 p.m. or drop a note in Box 4356 and tell me when you can drop by at 1006 10a St. in Holly Hill (Left off Hwy).

1981 HONDA CR 125R, excellent condition. \$1000. 258-0542 evenings.

FOR SALE: 79 "Daytona Special" 400. Shoe FM 1, special tires, excellent condition, \$1300. Leave a note in Box 7515, Call 5271.

1978 YAMAHA XS 500. Has less than 7000 miles, runs and looks great. Gas 50 mpg. Must sell fast, need money for tuition. Asking \$1200, negotiable. Call 758-1137, ask for Maik.

1978 KAWASAKI KZ 650SR, mint condition, \$1600, lets deal.

1978 YAMAHA XS 300, only 6700 miles, negotiable. Call 258-1137.

1975 SUZUKI GT 380, low mileage, 3 cyl., 2 cycle, excellent running condition, fairing, \$550. Mike Box 8049.

FOR SALE: 1971 Kawasaki 500. New parts, \$400. Call Ken at 255-6791 or Box 4455.

1980 YAMAHA 650 Special, low mileage, excellent condition. Call Bill at 257-4397 or Box 7399.

GAS MIZER: 1971 Honda CD 100. Excellent condition. Phone 255-2243.

FOR SALE: 75 Husky 400, basket case, 72 Kawasaki 100, needs some work. Make offer. Dave after 6 p.m. 672-8497.

FOR SALE: Honda CBX 6 cylinder, 6 exhausts, multiple custom items, 1100cc, like new. Phone: (813) 977-9146 or Box 6292.

FOR SALE: Yamaha TX-500. Good shape. Just tuned, new sprockets and chain, luggage rack. Must sell. \$625 or best offer. 255-5823.

FOR SALE: 1978 Kawasaki KZ 650SR. Real clean, many extras, must see to appreciate. \$1400. 672-4853.

FOR SALE: Yamaha TX-500. Good shape. Just tuned, new sprockets and chain, luggage rack. Must sell. \$625 or best offer. 255-5823.

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1981 SUZUKI GS 450S, 1700 miles, excellent condition. \$1350. 258-0542 evenings.

1975 KAWASAKI 900Z1R. 12,000 miles. Kerker liner, new tires, excellent condition. \$1950. Box G 218.

FOR SALE: Yamaha A1 & T1 component system, 150 watts, like new, \$600. Triumph 650 customized, \$400. Panasonic Quad AM/FM 8-track in dash, 189. 2 marine radios, \$125, excellent condition. Call 257-2677 7 a.m. to 4 p.m.

FOR SALE: Sharp cassette dock with Dolby, metal capability. With cords and all papers. Hardly used. Need money for rent. \$100. Call 255-9199.

FOR SALE: Atari video computer and seven game programs, including space invaders. \$175. Call 672-8383.

IF YOU NEED any brand car stereo, speaker, window tinting, call David at 252-8796 or 257-5128.

STEREO FOR SALE: Kenwood receiver (200W), Technics direct drive turntable, Jensen 23 speakers, Kos headphones, 50 rock and jazz albums, sounds great. Contact Bob 1272 if interested.

LOOK! 1982 Catalog and prices now in effect. For all your stereo needs: home, auto, and accessories, call High End Audio at 788-9638 and ask for David.

HIGH END AUDIO CO.: We have all for your stereo needs at low, low prices. We carry home, auto, and portable equipment, as well as video games and accessories. Contact our ERAU Representative, David, at 788-9638 or Box 6464. Free estimates.

FOR SALE: 1 pair of Sanyo bi-amp speakers. These two-way surface mount speakers are still in the box. \$99 takes them away. Leave a note in Box 4445.

FOR SALE: JVC quadrophonic receiver. 60 watts, 15 watts per channel. \$100. Call 257-6532 after 2 p.m.

FOR SALE: A new pair of Sanyo 69", 60 watt, speakers with bi-amp capability, and a pair of Jensen 3 1/2" dual cone speakers, \$80. Call 258-7289 after 8 p.m. or Box 6216.

FOR SALE: Panasonic 6 hour video tape recorder. Like new, \$450. Also, 12 inch black & white TV, \$30 or best offer. Call Eric 253-5086.

D.J. EQUIPMENT for sale. Excellent condition. Must see. 2 Technics SL 5100 turntable, 1 Numark DM 1000 mixer, 1 Clark Technic 27 channel equalizer speaker set. All for the sacrifice price of \$1750. Turntables include 2 styluses and all necessary hook up leads. Please hurry! Must sell! Contact Bob 4473 for more info.

FOR SALE: Panasonic stereo amplifier, dual tape input, four speaker output, etc. \$50, call 788-4391 after 5 p.m. or Box 7774.

SAVE BIG ON CAR AUDIO: Jensen AM/FM cassettes from \$107, Pioneer AM/FM cassettes from \$93, Sanyo AM/FM cassettes from \$64, Alpine Laminating AL-1 speaker system \$269, Jensen 69 Triax III speakers \$89, Pioneer TS-9 speakers \$132. Equalizers and power boosters from Pioneer, Jensen, Clarson, and Audiovent. These items plus many more from Concord, Bose and Blaupunkt. All new. Contact Peter at 788-5063 or Box 6024.

SAVE BIG ON HOME STEREO equipment: Pioneer receivers from \$189, tape decks from \$151, turntables from \$98. Technics receivers from \$223, tape decks from \$122, turntables from \$75, Bose 301 speakers \$249 pr, also systems from JVC, Onkyo, Aiwa and Sony. Personal sports stereo from Sony, Sanyo, Akai, and Aiwa. TV's and video recorders from Sony and JVC. All are new. Contact Peter at 788-5063 or Box 6024.

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SERIOUS BUYERS ONLY: High end stereo components for sale. SAE A-14 integrated amp, 156 w/h, less than 25 percent distortion. Parametric equalizer and much more. Also, pair of KLH 1 computer controlled speaker. One of the best speakers under \$2500. Call Matt at 254-8709 for more info.

FOR SALE: Onkyo CP 1130-E.D.D. Computerized turntable. Onkyo T-33 Quartz synthesized tuner. Stanton 8815 cartridge. \$255-8769.

FOR SALE: Sharp cassette dock with Dolby, metal capability. With cords and all papers. Hardly used. Need money for rent. \$100. Call 255-9199.

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FOR SALE: Worlds Hobie 18 1981, fully equipped for racing with trailer. Spring break winner galore, hot paint. Ballet wicker full sail, O'Neill booties, gloves, \$120 for set or separate. Beach cruiser (Earth Cruiser) \$85. 761-4538.

FOR SALE: Mens! 10 speed Schwinn Varsity, 2 years old. Excellent condition. Have car now and hardly ever used. Will sell for \$109 or best offer. Leave a note in Box 3691.

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Vice President Bush unveils Spacelab at Kennedy center

Vice President George Bush unveiled the flight version of Spacelab, the Space Shuttle's reusable scientific research facility, at Kennedy Space Center, Florida, last Friday, Feb. 5.

The participation of Vice President Bush in the unveiling of the European-built Spacelab is a reaffirmation of the Reagan Administration's commitment and support of joint U.S.-European scientific ventures in space.

Spacelab, developed and built under the aegis of the European Space Agency (ESA), is Europe's contribution to the NASA Space Transportation System. It arrived in the United States in December and a second flight version will be delivered in mid-1982.

Spacelab consists of a cylindrical module in which both astronaut and civilian scientists - called payload specialists - will work and a series of unpurposized pallets which will support experiments requiring direct exposure to space. Carried in the cargo of the Shuttle orbiter, Spacelab will serve as a center for conducting scientific investigations not possible on Earth. ESA's prime contractor in the

development of Spacelab is the West German firm ERNO Raumfahrttechnik GmbH. Some 50 firms in ESA's 10 participating nations funnel parts to ERNO in Bremen, West Germany, for assembly and integration.

ESA manages its development with technical support from NASA, while NASA's Marshall Space Flight Center, Huntsville, Ala., has prime NASA responsibility for the development in the United States of various flight hardware items such as the transfer tunnel and other ground equipment and facilities to operate the system. Marshall, together with ESA's Spacelab Payload Integration and Coordination in Europe, will manage the first Spacelab mission. Marshall will manage the second and third scientific missions, which are NASA only. The laboratory will be prepared for flight and installed in the Shuttle at Kennedy.

Delivery of the Spacelab to the United States marked a significant step in this program of European-American cooperation in the exploration of space. Under the pro-

gram, which is costing ESA nearly \$1 billion, NASA is receiving at no charge an engineering model and one complete flight version of the laboratory, associated ground support equipment and some computer software. NASA is purchas-

ing a second Spacelab flight unit for approximately \$300 million.

The first mission of Spacelab will be joint ESA/NASA mission during which some 70 investigations in five different scientific disciplines will be conducted.

The seven-day flight is scheduled for September 1983. Both NASA and ESA are providing experiments for the missions, and two American and two European payload specialists are training for the flight. One American and one

European will actually fly on the mission, along with the commander and pilot and two astronaut mission specialists. The other two payload specialists will support the mission from the ground.

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Shelter (continued from page 1)

Department," says Pomroy, "we call them when we have a crisis-child emotionally disturbed-or when we have suspicion of drugs being smuggled in the shelter and they respond quickly. When I am by myself on night shift, it is nice to know I can count on them."

In addition to the hired staff, Youth Alternatives rely on volunteers to help with the runaways. Among them, three students from Embry-Riddle donate a few hours of their time to take the kids to the movies, help them with their homework (local runaways go to school), or just keep them company. "Volunteers are a great asset to us," says Pomroy, "and we always need more of them."

Youth Alternatives has operated

successfully since 1973, serving a total of 3,829 youth during those six years. For two anonymous runaways from Florida, the shelter

is a nice place to stay and "although I would like to go home", says one, "I will miss the people here."

SACS (continued from page 1)

tivities, educational and social environment, student participation in various committees, student disciplinary procedures, housing, financial aid, career center and health services.
Students should note that several members of the Visiting Committee are very much associated with Aviation. "We made an effort to get people with aviation backgrounds to look at our aviation programs," remarked Fogle.

Because over 4,800 students on

campus as compared to the 17 committee members, those students who will not have an opportunity to talk with a committee member are urged not to feel disappointed.

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Chief Justice

10 Student Representatives.

Entry Deadline:

4:00pm Friday, Feb. 26, 1982

For Details Contact: **Arthur Benson**
Chairman, S.G.A. Election Committee

In S.G.A. Office behind Pub in U.C.

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