

10-8-1986

## Avion 1986-10-08

Embry-Riddle Aeronautical University

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1926

1986



# AVION

An Award-Winning Collegiate Newspaper

Volume 54, Issue 5

Embry-Riddle Aeronautical University, Daytona Beach, Florida

October 8, 1986

## Riddle Regatta delayed until next trimester

The annual river event will be in April '87, instead of this month.

By Debbie Lemoine  
Regatta Chairman

The ERAU Veterans Association 14th Annual Riddle Regatta has been delayed until the early weeks of April 1987.

The postponement of this event, usually held each October, is due to logistic problems encountered from the commencement of harbor and yacht basin dredging operations which will begin early this month.

The recipient selected to receive the charitable donation from the 14th Annual Regatta is Serenity House. This unique, non-profit organization was founded in 1978 to rehabilitate destitute, jail released or court reprimanded alcoholics or drug abusers. Since opening its doors eight years ago, Serenity House has treated hundreds of men.

Costs for services provided by Serenity House have been met entirely by donations from the community and the United Way. Serenity House has provided a valuable community service by helping its recipients to get back into the mainstream of life and become assets to society.

The beginning of next April's Riddle Regatta will be in the traditional place, however, the final point and the post-race festivities will be held at City Island Park picnic area.

The Veterans Association is currently seeking support within the Halifax area to assist in sponsoring this rewarding and challenging event. Anyone wishing to assist in co-sponsoring the Riddle Regatta, may contact the ERAU Veterans Association, through the university's office of student activities.



Soaring to new heights...

Avion photo by Richard Clarke

## Playing the ultimate game

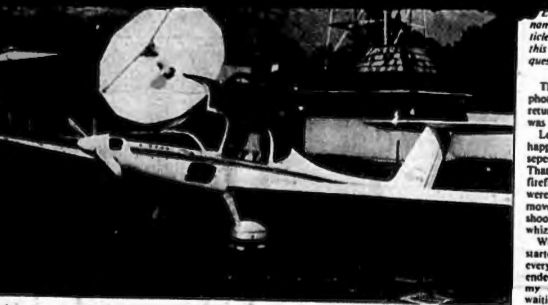
William V. Combs  
Avion Staff Reporter

Editor's note: Duane Williams, whose name is mentioned several times on this article, died on Sunday, Oct. 5. However, this story was left in the paper by the request of his friends.

These notes, from the journal of combat photographer William V. Combs, were returned to the U.S. seven years after he was listed as M.I.A.

Let me see if I can remember all that happened. Me and Dan and Duane got separated from the rest of our squadron. That's when things really went crazy. A firefight erupted in front of us. People were screaming. The jungle was alive with movement. We didn't know who was shooting or from where but bullets were whizzing all around.

We laid low 'til it quieted down, then started to move out. I had moved I swear every Red in the army was firing at us. I ended up face down in the mud on top of my canteen. After a few moments of waiting for the bullets to pierce my back, I rolled over and wiped the mud from my eyes. Dan was covered in blood lying about



Soaring to new heights...

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This G-109B motorglider from the West German The Grob is available for rides to those interested firm of Burt Hart Grob Flugzeugbau recently arrived in experiencing a twist on the traditional aspects of flight. Over 350 109's have been built so far.

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Dan raised his gun and screamed, "Rock n' Roll!" Duane and Danny rolled opposite each other and fired at the movement. "Oh mother! Don't shoot! Don't shoot!"

"Rob, is that you? Where's Eric?" "Yo, I'm here. I think they got Eric."

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## Engine incident results in grounding of University's new Cessna 172 Skyhawks

By Steve Cagle  
Avion Staff Reporter

Monday, Sept. 29, an engine failure forced an Embry-Riddle Cessna-172 carrying 50 students on board to make an off-airport landing southwest of Orono Beach in which there were no injuries and minimal aircraft damage. The cause of the engine trouble was traced to a broken rocker arm on the aircraft.

A previous incident involving one of the newly delivered C-172's at the airport in St. Augustine was caused by the same problem and prompted the grounding of all of the new C-172's in

Riddle's fleet.

According to John Phipps, Associate Chairman of the Flight Department, the rocker arms had been drilled off-center during the manufacturing process which weakened them and caused the cracks to occur. Inspections of the new C-172's revealed that 15-20 of the rocker arms on the aircraft were defective. Each four-cylinder engine on the C-172 has eight rocker arms which open the intake and exhaust valves.

The engine manufacturer, Lycoming, was notified of the problem and they sent replacement rocker arms which had been carefully inspected. All of the

rocker arms on the new aircraft have since been replaced. Additionally, the older C-172's in the fleet were checked for the problem.

The Federal Aviation Administration will be investigating to see if any action needs to be taken to avoid further occurrences of this problem.

According to Phipps, the students involved, Guy Gal'ucci and David Kemper, "did an outstanding job." The down was a wooded area without many suitable fields to land in. Phipps noted that the students picked about the best spot they could have. "No other fields

in the area were better than what they landed in," he added. The students were returning to Daytona Beach and were at approximately 1500 feet when the engine failure occurred according to Phipps. They contacted Air Traffic Control who notified the University and the Volusia County Sheriff Department which sent a helicopter to the scene.

Daytona Beach Aviation was responsible for repairing and returning the aircraft to Daytona Beach. The property owners consented to letting them fly the plane out of the field and a local logging firm bulldozed some trees and graded a nearby road to provide a runway.

## Riddle mourns the loss of two students during the past week

By Steve Cagle  
Avion Staff Reporter

Duane R. Williams, 18, from East Albion, Va., a freshman Aviation Maintenance Technology student, died Sunday Oct. 5, in a swimming accident at the University Apartments. Campus pool according to University officials. The exact cause of death has not been determined pending the results of an autopsy.

A memorial service for Williams was held at Apartment Complex 1 on Tuesday evening. Funeral Services for Williams will take place in Vermont. Williams' family requests that any gifts or donations be made to the "Duane R. Williams Scholarship Fund," Northeast Central School, Champlain, N.Y.

William C. Kennoy, 24, an Aeronautical Science student, was killed at 12:01 a.m. Oct. 2 when the bicycle he was riding at 57 mph by a southbound truck in the 3000 block of South Princeton Ave.



Support William Williams area to assist in sponsoring this rewarding and challenging event. Anyone wishing to assist in co-sponsoring the Riddle Regatta, may contact the ERAU Veterans Association, through the university's office of student activities.

This G.109B motorglider from the West German firm of Burkhardt Grob Flugzeugbau recently arrived at the Spruce Creek Fly-In community/airpark. The Grob is available for rides to those interested in experiencing a twist on the traditional aspects of flight. Over 350 109's have been built so far.

## Engine incident results in grounding of University's new Cessna 172 Skyhawks

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death has not been determined pending the results of an autopsy.

Witnesses reported Williams was swimming in the pool and suddenly went to the bottom. He was pulled to the surface after being under water for less than a minute and Cardio-Pulmonary Resuscitation was started immediately.

Tim Phillips and Eric Stroup, both AMT students, performed CPR until the EVAC am-

balance arrived. Resuscitation efforts continued while Williams was transported to Halifax hospital where he was declared dead.

A memorial service for Williams was held at Apartment Complex 1 on Tuesday evening. Funeral Services for Williams will take place in Vermont. Williams' family requests that any gifts or donations be made to the "Duane R. Williams Scholarship Fund," Northeast Clinton Central School, Champlain, N.Y.

William C. Kenney, 24, an Aeronautical Science student, was killed at 12:01 a.m. Oct. 2 when the bicycle he was riding was struck by a southbound car in the 3000 block of South Peninsula. According to the Florida Highway Patrol, Kenney was pronounced dead at the scene.

The driver of the car was identified as Paul Dean Williams, 1034 N. Nova Road, Daytona Beach. A spokesperson for the FHP said that police suspect alcohol was involved in the accident, and that charges are pending against Williams.

Kenney, a Lexington Kentucky native, transferred from the University of Kentucky to Embry-Riddle at the beginning of the summer. A memorial service was held for Kenney in the Common Purpose Room in the University Center on Sunday.



Avion photo by Allan Burg

*In the pink...*

As the number of parking spaces on campus shrink due to construction, the number of citations issued due to illegal parking increases.

A petition is being circulated to put a moratorium on ticketing until all the phases of campus renovation have been concluded.

Editorial

# Bumpy roads seen in future

The opening of the Fall trimester has featured many changes in the campus which have made it look better every day. The university has a different appearance, new services, and what seems to be a different attitude toward the students. But has the university really changed? Is the administration truly listening to what students have to say? Are they actually concerned with what we need, or do they just want us to believe they do?

Mr. Charles Fountain, Director of Business Affairs, spoke to students at the SGA meeting last Tuesday night. During this presentation, Mr. Fountain talked about the changes that are happening on the campus. Many of these projects require closing the parking lot behind the library. However, most of these projects will not begin for at least a year. This is a problem.

The lot directly behind the library is now closed. According to the university administration, the reason for closing this facility is in accordance with the university's goals for the campus — to make ERAU a walking campus to protect people from reckless drivers. Students find it hard to understand these measures when they do not fully understand what the campus is going to look like and why.

Parking tickets — they are being issued to students every day. Why is this happening? Is it because students are violating parking regulations because they want to, or because they can not find a space to legally park their cars. Maybe it is because they have not yet bought a parking sticker. In consideration, who wants to pay \$12 for parking, when the university will not guarantee them a parking space, any day, at any time during the week.

And what about the speed mountains, or, as they are referred by the administration, speed bumps. According to the administration, these speed bumps are designed to reduce speeding while driving over them at ten miles per hour. The only vehicles that are impervious to these bumps are four wheel drive trucks or larger.

These are points and questions being vocalized by the student body. Presently, the Avion is interviewing

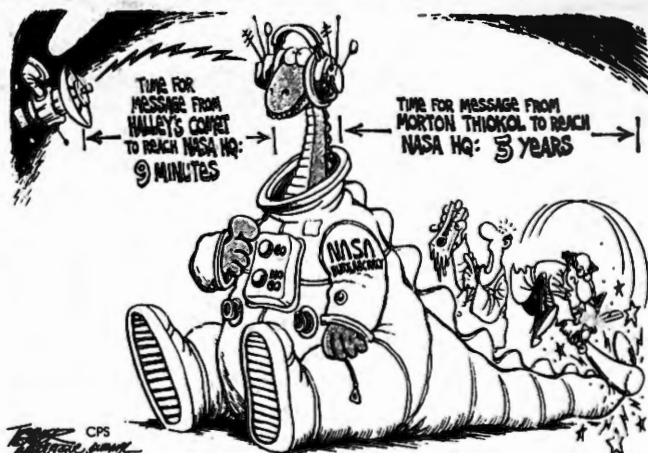
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MIRACLES OF MODERN COMMUNICATIONS

### Hasty Complaints

To the Editor:  
You [the Disgusted Student] were very quick to write your complaint about Mr. VanBibber's style and vocabulary. This has inspired me to write and ask you a few questions. Are you aware that more than your social sensibilities are at stake now?  
First, I would like to ask you if you discussed the issue with Mr. VanBibber in person? This would be the courteous and professional manner of handling the matter.

mal, hasty complaints. Even the most conservative student at the most conservative of universities must be aware of how endangered freedom of speech and information has become recently.  
Third, how sincere is your complaint? It is a little difficult to take an anonymous letter seriously. If you handled everything in an above-board way, you would have no doubts or fears about signing your letter. No matter how genuine your concerns are, you must remain sensitive to the rights and freedom of

students at ERAU are adults. We should be able to take each others differences and style in stride and be able to solve problems of significance in a straightforward manner.

William M. Dickinson  
Box 2131

### Straightforward

To the Editor:

dent Advisors were not elected to represent anyone. However, they took it upon themselves to voice an opinion.

Most of the Advisors will be gone by the time the new policy, if it even is, is instituted. The Avion is our newspaper and it should be used to voice our opinion.

I have nothing else to say on the issue of a dry campus, my Resident Advisors have very adequately voiced my opinion.

The one thing I do want to say is to the student body. Don't let the Administration make this decision without us! The Administration is here for us, we're not here for them.

Glenn Cougler  
Box 5465



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## Lloyd Morris Wes Oleszewski

THE NEXT SIGHT ON THE RED TOUR OF ERAU IS OUR NEW PARKING LOT.

TAKE SPECIAL NOTE OF THE WARE-LIKE LAYOUT...

...BLES YOU CAN CLEARLY SEE THE HAND-CAPPED DESIGNATION AREA WHICH IS EQUALLY FAR FROM EVERY BUILDING ON CAMPUS.

WHEN THIS PROJECT IS FINISHED WE WILL ONLY HAVE ABOUT 130 SPACES LESS THAN WE DO NOW. HOW IS THAT FOR PLANNING REIG?

THE ISSUE HERE IS NOT "DRY CAMPUS" OR IF THE R.A.'S WARE CORRECT IN THEIR LETTER.

THE ISSUE IS NOW SUCH AN AIR OF SUSPICION AND MISTRUST COULD DEVELOP TOWARD THE ADMINISTRATION AMONG THE STUDENT BODY, AND WANT ME AS ADMINISTRATOR CAN DO TO REGAIN THE STUDENTS TRUST.

MAKE THOSE LITTLE BACK-STABBERS WRITE A LETTER OF CLARIFICATION, THEN TRACK DOWN EVERY PERSON WHO CAME IN CONTACT WITH THE ORIGINAL LETTER AND MAKE THEIR LIVES A LIVING HELL.

OH GEE, SONJA... THAT'S REALLY WHY THEIR CONFIDENCE BACK.

WELL, I WANT THE FAST STEP.

**avion** →

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Editor-in-Chief  
Mark Stern-Montagny

News Editor  
Miguel Vidal

Production Manager  
Bill Fisher

Space Technology Editor  
Peter Marlin

Business Manager  
Richard Calvert

Aerospace Editor  
Brian Nicklas

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System Manager  
James Banke

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Paul Novacek

Lab Technican  
Rich Grey

Sports Editor  
Allen Berg

Avion Adviser  
Dr. Roger Osterholm

This week's staff: Pat Bellport, Tim Haas, Tim Suring, John Getsy, Tim Van Milligan and Craig Fricks.

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ly. If you handled everything in an above-board way, you would have no doubt of the Editor signing your letter. No matter how genuine your concerns are, you must remain sensitive to the rights and freedom of all parties. Your letter seems honest enough, but it does not seem that it is part of an intelligent, careful thought out effort. Not only faculty and staff, but also the

**Straightforward**

To the Editor:

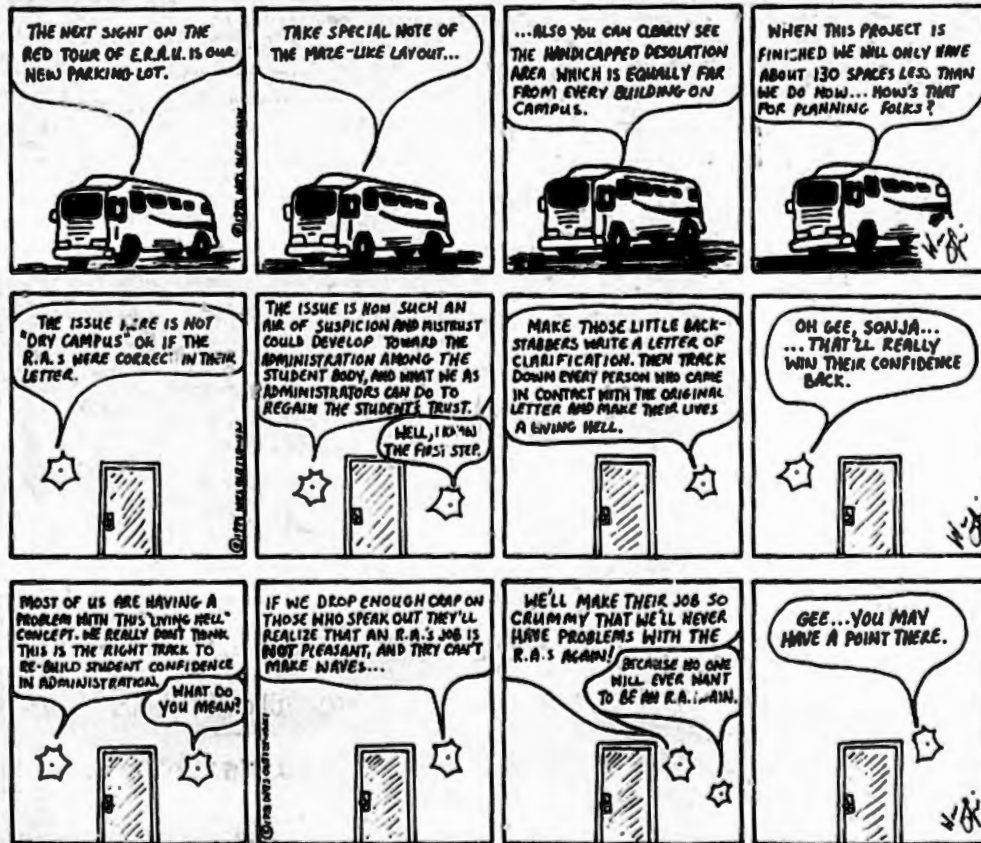
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Aeronautics Editor Brian Nicklas	Advertising Manager John Trombly
Photography Editor Rich Clarke	System Manager James Banke
Copy Editor Paul Novacek	Lab Technician Rich Gray
Sports Editor Allen Berg	Avion Adviser Dr. Roger Osterholm

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Letters appearing in the *Avion* do not necessarily reflect the opinions of this newspaper or its staff. Letters submitted may be edited for brevity and may be printed provided they are not lewd, obscene, or libelous. Letter writers shall confine themselves to a single topic. All letters must be accompanied by the signature of the writer. Names may be withheld on request at the discretion of the Editor.

The *Avion* Editorial Board members are: Mark Stern-Montagny, Bill Fisher, James Banke, Richard Calvert, Brian Nicklas, John Getay, Pete Merlin, Rich Clarke, and Miguel Vidal.

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

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

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Correspondence may be addressed to: The *Avion*, Embry-Riddle Aeronautical University, Regional Airport, Daytona Beach, Florida 32014. Phone: (904) 232-8561 Ext. 1082.

### Avion asks: Would you favor placing an aircraft on permanent display in front of the library (to represent this University)?



Kelly Ackers - "Yes, I think it would represent the school."



Danny Joven - "Yes, some type of aircraft."



Jennifer Wilkes - "Yes, I think it would be a good idea and it would represent the school"



Jeff Shore - "Yes, perhaps an older aircraft like a P-51"



Cathy Blank - "Yes I would (be in favor) because, it would represent what the school is and gives the community an idea what we do here"



Alan Saplano - "Yes, if it (the money for the aircraft) wasn't taken from something that would help the students."

## DoD waste goes unchecked

By Jack Anderson and Joseph Spahr  
WASHINGTON — One of the

and commanders is inadequate." The inspector general's blistering critique was based on inspections of military bases in the

and doesn't even conform to federal laws or regulations. — At the most elementary level, the Pentagon's definition

sent what the school is and gives the community an idea what we do here" help the students."

## DoD waste goes unchecked

By Jack Anderson and Joseph Spahr

WASHINGTON — One of the country's biggest producers of hazardous waste is exempt from federal regulations for disposal of the poisonous material. The Pentagon generates tons of radioactive, biological and chemical garbage, yet its waste disposal is not monitored by the Environmental Protection Agency or other government watch-agencies.

It's hardly surprising, then, that the Defense Department's handling of dangerous waste material leaves much to be desired. Disposal costs have skyrocketed from \$40 million in 1962 to more than \$88 million this year — and will total more than \$3 billion over the next five years. The Pentagon's own inspector general had this to say about the way the program is working: "The Department of Defense is not in full compliance with the Resource Conservation and Recovery Act and other environmental laws and regulations ... Overall management of hazardous materials/hazardous waste is unsatisfactory. ... The hazardous waste disposal contracting procedure is inefficient, at times ineffective, and costly. Training and education of hazardous material handlers, supervisors

and doesn't even conform to federal laws or regulations. — At the most elementary level, the Pentagon's definition of hazardous waste doesn't agree with that in federal laws. — Military officers routinely allow dangerous materials to be stored in facilities that don't agree with that in federal laws. — "Qualified engineering, scientific and environmental specialists" are in short supply at the Defense Department, partly due to budgetary restraints. "Public law, public interest,

See Waste, page 15

### BLOOM COUNTY by Berke Breathed



**American Red Cross**  
Give Blood... Someone Needs It.

## The easiest puzzle you'll ever solve.

ACROSS  
1 & 4. What 18-year-old guys have to register with (2 words)  
7. Initials of 1 and 4 across  
9. \_\_\_\_\_ as a flash-like Selective Service registration.  
11. Selective Service is \_\_\_\_\_ a draft.  
12. You must register within a month of your birthday.

DOWN  
2. Which 18-year-old guys have to register?  
3. What you broke if you're in prison—as in Selective Service registration is \_\_\_\_\_ (2 words)  
5. \_\_\_\_\_ with Selective Service!  
6. Not difficult—like Selective Service registration.  
8. Where you register—the \_\_\_\_\_ office.  
10. How long registration takes—minutes.

If you're a guy about to turn 18, you need to know the answers to this puzzle. Don't worry, it's easy. Within a month of your 18th birthday, you must register with Selective Service. Just go to the post office and fill out a card. That's all there is to it.

**Register with Selective Service. It's Quick. It's Easy. And It's the Law.**

Presented as a public service message by the Selective Service System.

# New center director arrives at Kennedy spaceport

Lt. Gen. Forrest McCartney pledges openness and hard work, rejects fears of military influence on program

By Peter W. Martin

CAPE CANAVERAL - Air Force Lt. General Forrest McCartney, the new director of Kennedy Space Center, met with the press last week to discuss his new job and how he intends to implement recommendations from the Presidential Commission on the Space Shuttle accident. McCartney replaces former director Richard Smith.

Lt. Gen. McCartney, dressed in civilian attire, rejected concerns that his appointment was a sign of growing military influence on the space program. McCartney cited many other military officials who have worked for NASA in the past as examples. "I come here with absolutely no instructions from the Department of Defense," he said. McCartney said his loyalties lie firmly with the space program. "I work for Dr. Fletcher," he said, McCartney said he took his new position so that he could help rebuild the grounded shuttle program and because NASA Administrator James Fletcher "is comfortable" putting him there.

According to McCartney, about half of the upcoming Shuttle flights will be military in nature. Flights, scheduled to begin in 1988, will be primarily high priority scientific and Department of Defense missions. "The shuttle has been, continues to be, and will be a major part of the DoD space program." Asked what he would do to change space program management, McCartney said, "I think any adjustments in management will be those that evolve day to day." He further stated that he felt "the competence of the entire team is such that there isn't anything that needs to be changed."

Lt. Gen. McCartney declared himself to be a believer in hard



Avion photo by Peter Martin

Lt. Gen. Forrest S. McCartney assumed the position of Kennedy Space Center Director last week. His rejection concerns that his appointment signaled militarization of the U.S. space program.

work and discipline. He promised to become involved in work at Kennedy Space Center at all levels. He said he plans to establish a dialogue with all of the people at the center "including those down in the organization who are responsible for getting the work done." McCartney pledged to make safety a priority and emphasized attention to detail. "There is just no substitute for good, hard work," he said. McCartney expressed a hope that there would be no further layoffs at the Space Center and that worker morale would improve as preparations begin for

the next Shuttle launch. McCartney said he would not allow launch schedule pressures to endanger a launch by pushing workers to their limits and causing hazards to be overlooked. "We just can't afford to push people at high pressure levels for great lengths of time," McCartney said. He also said he would not hesitate to scrub a Shuttle launch if he felt problems were overlooked. McCartney pledged "openness, frankness, and timeliness" in dealing with the news media. Immediately after the Challenger disaster in January, NASA

became very closed-mouthed towards the press, thereby causing friction and feelings of ill will between media and space program officials. McCartney described the news media as "an important part of the team," as NASA's "link to tell people what is going on," with the program

### Long space career

Forrest S. McCartney, 55, graduated from Gulfport Military Academy in 1949. He received a bachelor of science degree in Electrical Engineering from the Alabama Polytechnic Institute, Auburn, in 1952. His first assignment was with the Air Force Logistics Command at Robins Air Force Base, Georgia.

McCartney earned a Master's degree in Nuclear Engineering from the Air Force Institute of Technology, Wright-Patterson AFB, Ohio, in 1955. Upon graduation he served as project officer for various special weapons programs, and for nuclear weapons safety systems studies at the Special Weapons Center, Kirtland AFB, New Mexico. He was graduated from the Armed Forces Staff College, Norfolk, Virginia in 1967.

McCartney's other Air Force assignments have included duty at the Satellite Control Facility, Sunnyvale, California as a satellite controller during early space operations in 1959; an assignment at the Office of Space Activities, Air Force Systems Command Headquarters, Andrews AFB, Maryland from 1961 to 1966, serving as a project officer in the Titan III program and various Air Force communications satellite programs.

He was assigned to the Directorate of Space at U.S. Air Force Headquarters, Washington, D.C. in 1967 as the program element

monitor for satellite communications programs and other selected space-related efforts.

McCartney transferred to the Air Force Eastern Test Range, headquartered at Patrick AFB, Florida in 1971 as the Director of Range Engineering. In June 1974, McCartney was assigned to the Space and Missile Systems Organization at Los Angeles Air Force Station as the Systems Program Director for Fleet Satellite Communications Systems (FLTSATCOM). In

1983, he became Commander of Air Force Space Division and was also appointed Vice Commander of the new Air Force Space Command.

Spacecraft programs with which General McCartney has been directly associated include the FLTSATCOM series of military communications satellites, the Defense Satellite Communications System phase I and II satellites, the NAVSTAR Global Positioning System, and the Inertial Upper Stage. He also



Avion photo by Peter Martin

"We just can't afford to push people at high pressure levels for great lengths of time," said Lt. Gen. Forrest McCartney at recent press conference. He pledged not to let launch schedule pressures interfere with worker effectiveness or crew safety.

August 1976, he was reassigned within the organization as Deputy for Space Communications Systems.

McCartney moved to Norton AFB, California in September 1979, as Vice Commander of the Ballistic Missile Office. In November 1980, he was named Commander of the Ballistic Missile Office and MX Program Director. He became Vice Commander of the Air Force Space Division in May 1982. In May

participated in the construction program for the Consolidated Space Operation Center, a command and control center for military space operations, at Falcon Air Force Station, Colorado.

McCartney was promoted to his current rank of Lieutenant General on May 1, 1983. He was appointed Kennedy Space Center Director on August 20, 1986. He assumed his new post on October 1, 1986.

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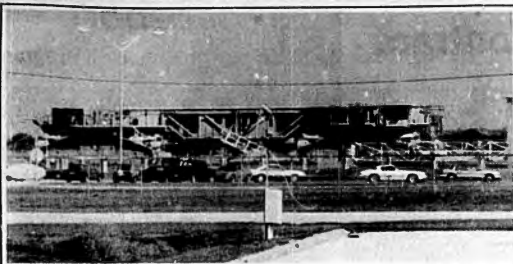
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**Moving In...**

The giant crawler transporter moved for the rollout of Space Shuttle *Atlantis* laboriously towards the Vehicle Assembly launch pad 39B. The rollout was scheduled for Building last Thursday morning in preparation Tuesday, October 7, just after midnight.

Avion photo by Philip Stork

# Partial solar eclipse fascinates ERAU students, astronomers

By Peter W. Merlin

The southeastern states were treated to a partial solar eclipse last Friday afternoon.

At about 2:25 p.m., the Moon began to move between Earth and the Sun, appearing to take a small bite out of the solar disk. By 3:30, about 33 percent of the Sun was blocked from view. While this was not enough to significantly darken the sky, it was nonetheless fascinating to Earthbound observers.

curiosity from seeing the telescope set up in the middle of the day.

People in ancient times feared an eclipse of the Sun. Some superstitions held that a solar eclipse indicated the anger of the gods. The ancient Chinese believed that a dragon was taking a bite out of the Sun.

In modern times the solar eclipse recognized as a fascinating natural phenomenon. The eclipse is produced when a body, in this case the Moon,

passes between the Sun and the observer. Astronauts who traveled to the Moon were able to observe an eclipse of the Sun by the Earth.

Since the shadow of the Moon only falls on part of the Earth, the eclipse is not visible everywhere on the planet, nor to the same extent in all places. The next partial solar eclipse visible in the United States will occur on May 18, 1994. A total solar eclipse will not be visible in the U.S. until 2004.

Embry Riddle students observed the partial eclipse from a viewing area in the center of the Academic Co-ops. ERAU Physics professor, Dr. Elliot Palmer set up the school's Celestron telescope to observe the phenomenon.

Since a solar eclipse cannot be observed directly by the naked eye without causing damage to the optic nerve, the telescope was used to project the image onto a piece of cardboard. The image could then be observed safely.

A large number of the students stopped by the telescope to view the eclipse. The event had been well publicized by the Embry Riddle chapter of I.S. Aerospace Society in conjunction with their annual Space Week celebration. Others stopped out of sheer



Avion photo by Philip Stork

The Moon appears to take a bite out of the Sun in this filtered image of last Friday's partial solar eclipse. A similar event will not be visible in the United States until the middle of May 1994.

## NASA

**ATLAS/CENTAUR**

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## Upcoming Events

Space Shuttle orbiter *Atlantis* will remain on the launch pad for seven weeks of testing.

The orbiter *Columbia* is scheduled for a 747 ferry flight to Vandenberg Air Force Base on November 5.

Launch of Atlas-Centaur 66 is planned for no earlier than November 6. AC-66 will carry U.S. Navy FLTSATCOM F7.

Delta 179 has been delayed until early December. The vehicle will place GOES-H weather satellite in geosynchronous orbit.

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# Goodyear guns for blimp contract

AKRON, Ohio — Goodyear has proposed a high-tech version of the last airships it built for the U.S. Navy as a quick and cost-effective way to thwart cruise missile threats of the 1990s.

The modernized airship could be built and flying by 1990, offering a test bed of evaluating airships as a new radar carrying eye-in-the-sky to protect the fleet, Goodyear said.

The Navy issued a "request for proposal" for a modern airship Aug. 15 with industry responses due Sept. 29. At least three companies are competing to build the airship. A contract award is expected Oct. 31.

The new airship would employ the latest in engines, airborne electronics and search and radar, although it would be similar in size and shape to the ZPG-3W airships Goodyear built for the Navy around 1960.

The new airship would be

faster (80 knots plus), more maneuverable and more difficult to see than earlier airships.

Cruising normally at 5,000 to 10,000 feet, it would be capable of dropping down close to the surface to be resupplied and refueled at sea. It could stay on station 72 hours at a time without refueling, indefinitely with resupplying and refueling (with a normal four-week mission period).

The airship would be powered by a combination of turbines and electric motors driving propellers. The propellers could be pointed up or down for vertical thrust providing a major improvement in maneuverability.

Electricity would be provided by an inboard turbine generator which also would be used to power the airship's massive radar and other airborne electronics. Water vapor collected from its exhaust, one pound for every pound of fuel burned, would be

used to maintain neutral buoyancy.

During normal cruise, only the electric motors, two samarium-cobalt units of 200 kilowatts each, would move the ship quietly above the fleet. Higher speeds would be attained by using more powerful turboprop engines just inboard of the electric motors.

Flight control would use a fly-by-wire system in which lighter electrical connections replace the usual cable and hydro-mechanical linkages. State of the art navigation, communications, autopilot and flight deck equipment also would be used.

The 12-man crew would have private quarters, human engineered for comfort — larger than the quarters available on the ZPG-3W, which carried a crew almost twice that size for shorter missions. Visibility would be enhanced by high quality optic transparencies produced by

Goodyear Aerospace's Arizona Division.

The new airship's electronics suite would come from an improved Navy/Grumman E-2C airborne early warning aircraft, which uses a Goodyear high speed parallel processor in maintaining surveillance over three million cubic miles of air and sea space.

Experience gained by Goodyear in producing the world's first synthetic aperture radar for airborne reconnaissance also would be used in installing the I-2C suite.

ZPG-3Ws were used for airborne early warning against the threat of approaching enemy aircraft. Modernizing them would give the Navy the advantage of using an ex-11g proven design, saving much time and money in development costs.



Goodyear's new high-tech blimp takes shape in Akron, Ohio, as airship assemblers install lightweight composite outer skin panels to the rear of its passenger car. The new blimp, the first airship to be powered by turboprop engines, will be faster and carry more passengers than today's Goodyear blimps. First flight is scheduled for next year.



## Happy Anniversary!

The German airline Lufthansa is flying this restored Junkers Ju 52 3m as part of the carrier's birthday celebrations. Painted in the airline's livery as used in the 1930's, the

Junkers underwent an almost two year restoration after purchase from American aviation author/historian Martin Galden. The 52 was a contemporary of the Douglas DC-3.

## Weather slows operations at FAA's Aurora facility

CHICAGO (AP) — Heavy thunderstorms and a computer malfunction at an air traffic control center delayed more than 500 flights and prompted cancellation of 200 more, a federal aviation official said Wednesday.

Flights were delayed in parts of Illinois, Indiana, Wisconsin, Michigan and Iowa as a result of the storms and the malfunction at a regional center that lasted nearly 24 hours, said Federal Aviation Administration spokesman Mort Edelstein.

Delays began during the morning rush hour and increased throughout the day, with some jetliners sitting on runways as long as three hours.

Flights were delayed in part as they stood idle on runways Monday night at O'Hare Airport as FAA technicians tried to determine

what had caused the main computer to malfunction at the Aurora Air Route Traffic Control Center, he said.

"The Aurora center, which screens flights to and from O'Hare, is one of 20 FAA regional centers and one of the nation's busiest."

"Let me stress first that there was never, not at any time, any concern about air-traffic safety," said Edelstein.

He said controllers were forced to rely on one of two available backup computer systems to guide jetliners around the heavy storms.

"The major difference is the speed with which they (the computers) process data. The backups are not as quick," Edelstein said.

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# B-1B now on full alert status with Air Force

WASHINGTON (AP) The first of the nation's new fleet of B-1 bombers went on full-alert status Wednesday, marking the beginning of regular operation for the once-canceled plane since its resurrection five years ago.

The important revitalization of our bomber force continues on track," said Gen. Lawrence A. Skantzis, the commander of the Air Force Systems Command.

"I am pleased to announce radar systems that allow it to hug the ground and evade radar. Starting in the late 1980's, the Air Force plans on retiring the aging B-52 bombers that now form the heart of the nation's bomber force. They will be replaced by 100 B-1B's and 132 of the new radar-evading "Stealth" bombers, which are now in the final stages of development.

Answers to Crossword From page 15.

DOWN	ACROSS	DOWN	ACROSS	DOWN	ACROSS	DOWN	ACROSS
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# Air Force's fifth test of ASAT a success

VANDENBERG AIR FORCE BASE, Calif. (AP) — The United States conducted its fifth test of a satellite-killing rocket early this morning, Sept. 30, over the Pacific Ocean, and the Defense Department described the test as a success.

The anti-satellite, or ASAT, missile was launched around 6:45 a.m. EDT from an F-15 jet fighter that took off from Vandenberg Air Force Base, said the announcement from the Pentagon in Washington.

The missile was fired over the Pacific in the Western Test Range and successfully "used the energy source of a distant star as the 'target,'" a Pentagon statement added.

The test involved an experiment with the missile's guidance system and the rocket was not fired against an actual object in space, the Pentagon said.

It was the second test of the ASAT missile in as many months and the fifth since the first "live fire" experiment on Jan. 21, 1984. The ASAT missile has been

fired against an actual object in space only once — on Sept. 13, 1985, when an aging research satellite was successfully tracked and destroyed.

Additional experiments involving the destruction of objects in space have been banned by Congress since last year, forcing the Pentagon to restrict its research to tests of the missile's infrared guidance system.

The Democratic-controlled House imposed the ban on the Reagan administration, arguing the development of ASAT weapons should be suspended while efforts are made in arms control talks to prohibit their use.

The fourth test, launched toward a star last Aug. 22, provided data on the sensor's performance at a medium altitude," the Pentagon said.

"Today's test successfully provided data on the capability of the miniature vehicle's flight sensor to acquire and track an infrared source closer to the earth's horizon than previously tested," the Pentagon declined to

reveal how high the missile flew, saying such information was classified.

The ASAT is a two-stage rocket designed to be carried to a high altitude by an F-15 and then launched into space. The missile is filled with sophisticated sensors that allow it to guide itself to targets in low earth orbit.

The Reagan administration has contended the congressional ban on testing in space, arguing the Soviets already have a crude, but workable, ASAT missile of their own. The Soviets have been observing a voluntary moratorium on further testing of that rocket, however, and the House has proposed extending the ban through the next fiscal year.

The Pentagon hopes to conduct three more tests of the ASAT missile during the next 12 months — at least two of which would be against orbiting targets.

# Rutan's Voyager delayed

Broken propeller on experimental aircraft delays first nonstop flight around the world

MOJAVE, Calif. (AP) — Two pilots who hope to be the first to fly nonstop around the world without refueling suffered a setback when a propeller on their experimental aircraft broke during a final test flight, forcing them to make an emergency landing at Edwards Air Force Base.

The mishap occurred Tuesday as the crew of the twin-engine Voyager was checking adjustments made to the plane to improve its stability in turbulent air.

Steve Dick Rutan and Jessica Yeager landed the plane safely at Edwards Air Force Base after part of the front-engine propeller flew off, said Voyager spokesman Lee Herton.

On a single engine, Rutan and Miss Yeager flew Voyager 30 miles from Edwards to Mojave Airport today, landing at 7:53 a.m., said spokesman Terri Smith. The flight team will announce future plans Thursday or Friday, she said.

Peter Riva, another Voyager spokesman, said two of the six bolts that fasten the propeller to the engine broke, causing the propeller to become unbalanced and break off. The engine then partially tore away from its mounting, he said.

The vibration set up by the unbalanced propeller also caused a small leak to develop in one of the plane's fuel lines.

No date has been set for the start of the global flight but Voyager officials said the propeller failure was a setback in their plans for the unprecedented long-distance journey.

The flight must begin by the end of November in order for the aviators to have satisfactory weather conditions.

"We could still go this year," Voyager spokesman Wanda Wolf said Tuesday. "But if the (new) prop has to come from Germany it means a delay of weeks and weeks."

The test flight, portrayed as the final dry run, was to assess the usefulness of lead weights attached to the leading edges of the plane's wings. The weights were added to adjust a balance problem that interfered with Voyager's handling in turbulent air.

A private group developed the Voyager which weighs 1,845 pounds without fuel. It will weigh about 9,300 pounds when it takes off on the planned 12-day, 27,750-mile course around the world.

Y Voyager has flown more than 50 times before, including a flight in July that covered 11,600.9 miles off the California coast, breaking the world's absolute distance record for a closed-circuit flight.

# Italian's to recover DC-9 from the Mediterranean

ROME (AP) — Authorities want to find the fuselage of an Italian DC-9 that crashed into the Mediterranean in 1980 to determine whether the plane was downed by a bomb or a missile, the government said Tuesday.

The plane plunged into the sea 30 miles southwest of Naples on a flight from Bologna to Palermo on June 27, 1980. All 81 people aboard were killed.

The sunken wreckage would help confirm one of two theories — "a bomb inside the plane or an explosion outside the plane from a missile," said Giuliano Amato, undersecretary to Premier Bettino Craxi.

Amato told the Chamber of Deputies that structural defects had been ruled out as the cause of the crash.

Amato said Italy was in touch with U.S. experts about the possibility of using a submarine to photograph the fuselage.

Some Italian officials have speculated that the plane was shot down accidentally by a missile during military exercises, but the Defense Ministry has said that no maneuvers took place in the area at the time.

is also equipped with sophisticated navigation and radar systems that allow it to hug the ground and evade radar.

Starting in the late 1980's, the Air Force plans on retiring the aging B-52 bombers that now form the heart of the nation's bomber force. They will be replaced by 100 B-1B's and 132 of the new radar-evading "Stealth" bombers, which are now in the final stages of development.

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fired against an actual object in space only once — on Sept. 13, 1985, when an aging research satellite was successfully tracked and destroyed.

Additional experiments involving the destruction of objects in space have been banned by Congress since last year, forcing the Pentagon to restrict its research to tests of the missile's infrared guidance system.

The Democratic-controlled House imposed the ban on the Reagan administration, arguing the development of ASAT weapons should be suspended while efforts are made in arms control talks to prohibit their use.

The fourth test, launched toward a star last Aug. 22, provided data on the sensor's performance at a medium altitude," the Pentagon said.

"Today's test successfully provided data on the capability of the miniature vehicle's flight sensor to acquire and track an infrared source closer to the earth's horizon than previously tested," the Pentagon declined to

reveal how high the missile flew, saying such information was classified.

The ASAT is a two-stage rocket designed to be carried to a high altitude by an F-15 and then launched into space. The missile is filled with sophisticated sensors that allow it to guide itself to targets in low earth orbit.

The Reagan administration has contended the congressional ban on testing in space, arguing the Soviets already have a crude, but workable, ASAT missile of their own. The Soviets have been observing a voluntary moratorium on further testing of that rocket, however, and the House has proposed extending the ban through the next fiscal year.

The Pentagon hopes to conduct three more tests of the ASAT missile during the next 12 months — at least two of which would be against orbiting targets.

that interferes with Voyager's handling in turbulent air.

A private group developed the Voyager which weighs 1,845 pounds without fuel. It will weigh about 9,300 pounds when it takes off on the planned 12-day, 27,750-mile course around the world.

Y Voyager has flown more than 50 times before, including a flight in July that covered 11,600.9 miles off the California coast, breaking the world's absolute distance record for a closed-circuit flight.

# Italian's to recover DC-9 from the Mediterranean

ROME (AP) — Authorities want to find the fuselage of an Italian DC-9 that crashed into the Mediterranean in 1980 to determine whether the plane was downed by a bomb or a missile, the government said Tuesday.

The plane plunged into the sea 30 miles southwest of Naples on a flight from Bologna to Palermo on June 27, 1980. All 81 people aboard were killed.

The sunken wreckage would help confirm one of two theories — "a bomb inside the plane or an explosion outside the plane from a missile," said Giuliano Amato, undersecretary to Premier Bettino Craxi.

Amato told the Chamber of Deputies that structural defects had been ruled out as the cause of the crash.

Amato said Italy was in touch with U.S. experts about the possibility of using a submarine to photograph the fuselage.

Some Italian officials have speculated that the plane was shot down accidentally by a missile during military exercises, but the Defense Ministry has said that no maneuvers took place in the area at the time.

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A-101

and the fifth since the first "live fire" experiment on Jan. 21, 1984. The ASAT missile has been

framed source closer to the earth's horizon than previously tested." The Pentagon declined to

ASAT missile during the next 12 months — at least two of which would be against orbiting targets.

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**Water Skiing**

# WHAT IT IS: The Riddle Run-Around

By Tim Van Milligen  
Diversions Editor

Welcome to the official return of "Diversions," the entertainment section of the Avion newspaper. The name of this section of the paper was chosen by the last Diversions editor, Tim Markwald, last fall. The section was heavily involved with covering musical events, and subsequently it got "old" real fast to many students. My goal as editor of this section is to bring variety into your life, to give you more than just a rehash of the last rock concert. I want to inspire you to think, to dream, and to act.

In last week's issue we had a mini-poster for the university employees on the policy discussion, and subsequently I felt that the current attitude toward the students was one of "we're sorry." The main justification for my attitude on this subject is the "Riddle-Run-Around." I feel that this condition does not have to exist at this university. It shouldn't be any hassle for any University employee to pick up the telephone and call the office that they are about to send the student to, and ask them if their office is more able to help the student with his situation. The current position of sending the student away saying "I'm sorry, I can't help you" is

an answer the student should no longer accept. Together, as a student body, we can change the current mentality, but this can only happen if we really, truly want a change to come about.

One source of constant complaint is teacher evaluations. Each term the students evaluate the teachers and the classes that they are enrolled in. Each term the results of the evaluations are kept from the students, and nothing ever seems to be done to improve the quality of teaching. With the results in the hands of the students at registration time, the process of cleaning the teaching system will be almost fully automatic; as the poorer teachers will find themselves without any students in their classes. Since we know how tight our university is with our money, those empty sections will be canceled and the teachers sent home.

So this week I've gone back into the historical file and dug up an old teacher evaluation that the students used to be in charge of. After reading through the evaluation, you'll probably be wondering why the students aren't in command of this evaluation process, even though we are the ones who fill them out. The reason is that the students who have power to carry out the process, namely our student government, are more interested in parliamentary procedure

and "Roberts Rules Of Order" than they are in the students themselves. Every time the notion of a student run teacher evaluation comes up, the SGA representatives are too busy saying how nice it is to have a free-of-charge service, and how under-staffed they are to do any serious work. They should have realized that when they ran for their respective positions they would have to do some serious work. Being a representative is more than just a resume building position.

I'd say that it was about time that the student government becomes responsible for their inaction. Each term we pay \$72,000 in student government fees, and its hard to believe that the Student Administrative Council can't spend a little of that to run a teacher evaluation service with the results given directly to the students. And with over \$30,000 in an account called "Unallocated Funds," I can't think of a single reason that SAC shouldn't consider providing the students with something really useful.

To give the instructors an equal share of time, I also found in the historic files a "student evaluation." This appeared a week after the teacher evaluation form ran in The Avion and it was run more as a source of entertainment and amusement than anything serious. In fact, by reading it, you'll find out there is nothing serious in it at all, which is why it is appearing here, in Diversions.

## Soviet update: Experimental aircraft

By Andrei Stulov  
Novosti Press Agency

I ducked to avoid a dwarfish flying machine passing noiselessly above my head to land softly on the grass field. On its side I saw the inscription "Mikolain" (Horizon), a mini-plane whose serial production is currently being debated at the Soviet ministry of aircraft manufacture. For four years now it has been airing the national competitions of amateur mini-airborne vehicles, which are held in the Crimea on the Black Sea. In late 1984 the National Air Traffic Inspectorate sanctioned the use of the national air space by amateur manned aircraft.

The one I saw had a takeoff weight of 620 kg, wing area 9.5 sq. m, and span 7.9 m. Its takeoff speed was 75 km/hr and had a speed up to 240 km/hr. It has been built by amateur designers in Voronezh in Russia's heartland. They are from one of the many voluntary design offices, which have sprung up in recent years at factories and research institutions. It is believed that another boom of amateur aircraft-making has set in in the Soviet Union (the first one dates back to the 1930s).

The 23rd miniplane built by Victor Dmitriev from Frunze, capital of Kirghizia, is ranked among the smallest manned aircraft in the world. Here it weighs an area of a mere two square meters and a weight of 40 kilograms, a folded plane can be carried on the baggage rack of a compact car. With its light undercarriage (three wheels taken from roller skis) it can land on even wet playground. The seat is mounted on the undercarriage. The control

wheel and the throttle handle are made of two thick sticks. The 18 Hp Cessna cycle engine is mounted behind the pilot's back. The propeller has two blades 40 cm each. A tail of three folding planes rests on light tubes. Dmitriev is now testing another miniplane, which can be carried in a suitcase.

Dmitriev, who is a driver, says that "although I and my friends studied aerodynamics, strength of materials and aircraft design, our first models were made every mistake that is to be made in aircraft making. Our later miniplanes will be much better."

He was among the competitors at the past competition of amateur aircraft in the Crimea. There, over 50 planes, deltaplans and helicopters were shown, which are only the tip of the iceberg. In expert estimate, they are now in the Soviet Union about 2,000 experimental flying machines built by non-professionals. Serial production of such aircraft will begin soon. Most likely, they will be aircraft made by design offices at aeronautical colleges.

For example, the plane Kvant (Quant), built by students from the Moscow Aviation Institute, has set five FAI registered world records. It and the folding plane built by young Moscow designers led by Ovanes Mikolain are at the top of the list. It won't take you more than half an hour to assemble Mikolain's plane. It weighs 150 kg, carries 160 kg and has a cruising speed of 85 km/hr, takeoff 45 and a landing speed of 40 km/hr. A size 30-50m in length is enough for it to take off or land. Made of standard parts and materials, it has a dependable 35 hp engine which is economical and easy to start.

### INSTRUCTOR EVALUATION OF EMBRY-RIDDLE AERONAUTICAL INSTITUTE

Each student is asked to give an objective evaluation of each instructor in each class. The comment will be invaluable in the overall process of improving the level of teaching.

NAME OF INSTRUCTOR \_\_\_\_\_  
COURSE NAME AND NUMBER \_\_\_\_\_ DATE \_\_\_\_\_

**INSTRUCTIONS:** Choose the number of the statement which best fulfills the professor's performance for the topic concerned.

If the statement does not apply to the course of study, PLACE A "0" IN THE APPROPRIATE SPACE.

Ability to arouse interest

- 1. lectures are stimulating and arouse great interest
- 2. lectures are of about average interest
- 3. lectures are not particularly interesting

Clearness and organization

- 1. lectures are consistently clear and well organized
- 2. lectures are sometimes organized, sometimes not
- 3. lectures are usually disorganized and hard to follow

Balance between lecture and discussion

- 1. Professor strikes a good balance between lecture and discussion
- 2. Professor lectures too much and gives too little opportunity for discussion
- 3. Professor gives little or no opportunity for discussion

Papers

- 1. Papers always allow development original ideas
- 2. Papers usually give such an opportunity
- 3. Papers only seldom give such an opportunity

Reading

- 1. Textbooks are generally interesting and easily understood
- 2. Textbooks are difficult to understand and of little benefit to course

Supplementary readings

- 1. Supplementary readings are worthwhile and of benefit to the course
- 2. Supplementary readings are of little or no benefit to the course

Examinations

- 1. Exams are well timed
- 2. Exams are too frequent
- 3. Exams are not frequent enough

## Student Evaluation

- 1. Student's sex  
a. male  
b. female
- 2. Attitude toward instructor  
a. aggressive  
b. hostile  
c. threatening  
d. has to be physically restrained

### INSTRUCTOR EVALUATION OF EMBRY-RIDDLE AERONAUTICAL INSTITUTE

Each student is asked to give an objective evaluation of each instructor in each class. The comment will be invaluable in the overall process of improving the level of teaching.

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Balance between lecture and discussion

- 1. Professor strikes a good balance between lecture and discussion
- 2. Professor lectures too much and gives too little opportunity for discussion
- 3. Professor gives little or no opportunity for discussion

Opportunity for questions and discussions

- 1. Professor welcomes discussion through students may disagree with him
- 2. Professor discourages class discussion when students disagree with him
- 3. Professor gives little or no opportunity for questions and discussion

Quality of discussion and answers to questions

- 1. Discussions and answers are to the point and effective
- 2. Answers to questions are occasionally not clear or are slighted
- 3. Professor avoids all difficult questions

Original thinking

- 1. Professor encourages original thinking and helps students to achieve that goal
- 2. Professor encourages original thinking but student does not achieve that goal
- 3. Professor does not encourage original thinking

Attitude toward students

- 1. Professor is very interested and helpful
- 2. Professor seems only moderately helpful

Assignments

- 1. Assignments are of significant benefits
- 2. Assignments are only moderately beneficial
- 3. Assignments are of little benefit

Length of assignment

- 1. Assignments are reasonable in length.
- 2. Assignments are often too long and require more time than should be expected
- 3. Assignments are not long enough

Clarity of assignment

- 1. Assignments are made clearly and will be advised
- 2. Assignments are occasionally unclear
- 3. Assignments are frequently indefinite and given hurriedly

Papers

- 1. Papers always allow development original ideas
- 2. Papers usually give such an opportunity
- 3. Papers only seldom give such an opportunity

Reading

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- 2. Supplementary readings are of little or no benefit to the course

Examinations

- 1. Exams are well timed
- 2. Exams are too frequent
- 3. Exams are not frequent enough

Clearness of exam questions

- 1. Questions are clear and understandable
- 2. Questions sometimes are unclear and difficult to understand
- 3. Questions are generally ambiguous and involved

Emphasis on exams

- 1. Examinations are fair and cover the major matter adequately
- 2. Examinations are unfair. Why? (Explain using back)
- 3. Professor seems indifferent toward students

Self-reliance and confidence

- 1. Professor is sure of himself and well poised
- 2. Professor is occasionally ill at ease
- 3. Professor seems hesitant and timid

Mannerisms

- 1. Professor has no objectionable mannerisms
- 2. Professor has annoying mannerisms. List on back.

Standards for work

- 1. Professor's standards for judging work are clear
- 2. Professor's standards for judging work are not clear

Fluency of expression

- 1. Professor speaks clearly and distinctly with free flow of words
- 2. Professor sometimes stumbles and is at a loss for words
- 3. Professor speaks too rapidly for good note-taking

Students

- 1. 3.5 - 4.0
- 2. 3.0 - 3.4
- 3. 2.5 - 2.9
- 4. 2.0 - 2.4
- 5. below 2.0

What is your grade point average?

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## Student Evaluation

- 1. Student's sex  
a. male  
b. female  
c. strange  
d. none of the above
- 2. Class participation  
a. student is normal and outgoing  
b. student is withdrawn and hostile  
c. student sits up when approached
- 3. Level of Achievements  
a. works hard, achieves well  
b. works up to ability  
c. below average  
d. cheats
- 4. Using books and other information sources, student  
a. makes good use of material  
b. doesn't use them  
c. shows interest but has trouble comprehending  
d. shows interest but can't read
- 5. Attendance  
a. student attends class regularly  
b. student comes occasionally  
c. student has never shown up  
d. student stands outside window making obscene gestures.
- 6. Attitude toward instructor  
a. aggressive  
b. hostile  
c. threatening  
d. has to be physically restrained
- 7. Objectional mannerisms  
a. throwing papers  
b. throwing soda cans  
c. throwing rocks  
d. all of the above
- 8. Self Confidence  
a. very confident  
b. adequate  
c. unsure of self  
d. curls up in a ball and whimpers
- 9. Student's communication  
a. good  
b. mediocre  
c. poor  
d. garbage
- 10. Student should be  
a. passed with honors  
b. passed  
c. failed  
d. turned over to the police  
e. drafted

It happened this week...  
A look at the history of ERAU

■ The "East Campus," on the corner of Catalina Road and 1871  
■ The Nova A-1, form



2. Professor lectures too much and gives too little opportunity for discussion
3. Professor gives little or no opportunity for discussion

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#### Professor

#### Attitude toward students

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#### Assignments

#### Benefit of assignments

1. Assignments are of significant benefits
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3. Assignments are of little benefit

#### Length of assignment

1. Assignments are reasonable in length.
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#### Clarity of assignment

1. Assignments are made clearly and will in advance
2. Assignments are occasionally unclear
3. Assignments are frequently indefinite and given hurriedly

1. Exams are well timed
2. Exams are too frequent
3. Exams are not frequent enough

#### Clearness of exam questions

1. Questions are clear and understandable
2. Questions sometimes are unclear and difficult to understand
3. Questions are generally ambiguous and involved

#### Emphasis on exams

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2. Examinations are unfair. Why? (Explain using back)
3. Professor seems indifferent toward students

#### Self-reliance and confidence

1. Professor is sure of himself and well poised
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3. Professor seems hesitant and timid

#### Mannerisms

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#### Fluency of expression

1. Professor speaks clearly and distinctly with free flow of words
2. Professor sometimes stumbles and is at a loss for words
3. Professor speaks too rapidly for good note-taking

#### Students

#### What is your grade point average?

1. 3.5 - 4.0
2. 3.0 - 3.4
3. 2.5 - 2.9
4. 2.0 - 2.4
5. Below 2.0

PLEASE LIST ANY CONSTRUCTIVE CRITICISM THAT HAS NOT BEEN COVERED IN PREVIOUS QUESTIONS ON THE OPPOSITE SIDE OF THIS SHEET.

- b. female
- c. strange
- d. none of the above

#### 2. Class participation

- a. student is normal and outgoing
- b. student is withdrawn and hostile
- c. student splits up when approached

#### 3. Level of Achievements

- a. works hard, achieves well
- b. works up to ability
- c. below average
- d. cheats

#### 4. Using books and other information sources, student

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  - a. throwing papers
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- c. poor
- d. garbage

#### 10. Student should be

- a. passed with honors
- b. failed
- c. passed
- d. turned over to the police
- e. drafted

## It happened this week...

### A look at the history of ERAU

1988

- The Embry-Riddle Rocket Society is formed to give the students a broader insight into the study of astronautics.

1991

- The Rocket Society changes its name to the Astronomical Research Society.

1998

- The Alumni Association is formed.

1997

- The name the eagle contest is won with the bird being called "S.P.A.D." which stands for Success, Professionalism, Aeronautical skill, and Determination.

- The "East Campus," on the corner of Catalina Road and Clyde Morris Boulevard, is dedicated.

1999

- The self proclaimed "Nova ave. Dorm Council" voted to allow female visitors into the Nova Ave. dorm facilities.

1999

- MA 209 "Intro to computer programming" is offered for the first time at ERAU.

1971

- The Nova Ave. dorm residents are notified that the lease of the facilities will be terminated at the end of the Spring trimester. Daytona Beach.

1984

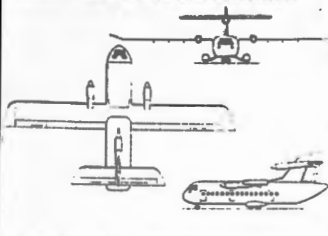
- Eric Doten accepts the Daytona Beach campus' Provost slot, and resigns from the Air Force after 23 years of service.



"In the ERAU Cockpit"  
The INFORMER, 1967

By Cam McQuaid  
Cartoonist

### AERO-PLANE IDENTIFICATION



THE FIRST EXACT ANSWER presented to the AVION of the identification of this aircraft will win a free one trimester subscription of the AVION, sent anywhere they want. The Student Publications staff, previous winners, and their families are not eligible.

Our congratulations go out to this past week's winner, Eric Wal, who correctly identified the mystery airplane as the Shin Melaw PS1 US1.

### WHERE AM I?

This picture was taken on the Daytona Beach Campus. It is of something or someplace in plain view of the discerning eye. If you think you know what or where it is, you can win a free movie rental from Show Time VCR rental. Entries must be placed in the contest box in the Avion office, and be received by Friday at 5 p.m. in case of multiple correct answers, a winner will be drawn by the Avion photo editor.

Our congratulations go out to this past week's winner, our own Photo Editor, Rich Clark, who stumped everyone with his photo of the air-conditioning system located out by the flight line.



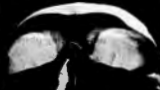
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Or the grand prize, for the number one student referral champion in the nation: a Porsche and one year of unlimited coach air travel.

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 Gender \_\_\_\_\_  
 City \_\_\_\_\_ Address \_\_\_\_\_ Zip \_\_\_\_\_  
 Permanent Address \_\_\_\_\_ Zip \_\_\_\_\_  
 Full-time student (Y/N) \_\_\_\_\_ Year of Enrollment \_\_\_\_\_  
 Signature \_\_\_\_\_ Expires on Date \_\_\_\_\_  
 Account Number \_\_\_\_\_  
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Please Save Florida's Manatees

Drinking and Driving



Where will it end?

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# Ultimate

(continued from page 1)

Minutes seemed like hours and it was an eternity before we made it through, but we did make it and we were all feeling better with that accomplishment.

Rule No. 367: Never feel good about anything you do while in combat because somehow you will be brought back to reality.

After disposing of four snipers with little or no effort we stumbled right into the enemy's camp. Words, Pictures—nothing can describe what transpired in the next fifteen minutes.

Danny and Duane broke off and attacked the camp from the right. In the confusion we circled behind the camp and attacked from the rear. It looked good on paper, anyway.

I don't remember much of what happened after that. I remember snapping a picture of Rob as he was swarmed by the enemy. I remember seeing Dan fall beside me and I remember staring down a gun barrel through my viewfinder. I also remember the darkness.

Yes, you have been reading the memoirs of combat photographer William Combs, but the above scenario didn't occur in WWII, Vietnam, or Korea. Instead it took place last Saturday near Deland at the Ultimate Game. Almost 50 commandos from Apartment Complex I were out in full (and some not so full) camouflage pitting themselves against each other in simulated combat.

The game itself is run by Gary Carolallou and Bruce Sewell. It is open to anyone willing to spend a day running through swamps and jungles shooting and being shot at. (Sometimes by your own teammates. Right, Danny?) Reservations are made by calling 677-9430 or 673-4045. The rules are explained in detail before the game and referees are present on the battlefield to settle any disputes that arise.



The element of surprise...

Reah photos by Wm Combs.

50 plus commandos from Apartment Complex I turned out Saturday in full camouflage for a day of simulated combat near Deland. Those who's camouflage was a bit lacking suffered the "Ultimate" consequence at the hands of friends.



## The Avion critiques Epicure's 'Easy Pizzas'

Recently, Epicure Food Services introduced a new pizza delivery service, 'Easy Pizzas Pizza,' available to the on-campus dorms only. The Avion ordered two pizzas; one 16 inch with pepperoni only, and one 16 inch 'B-52' with all the toppings except anchovies, on Monday, Sept. 29, at approximately 9 p.m. This is what the Avion found.

Delivery time: 20 minutes - very good  
Toppings: fresh, delicious, and plentiful  
Cheese: bland and dry  
Tomato sauce: thin and tasteless  
Crust: thick, dry and airy on the regular pie with the pepperoni. Both pizzas exhibited an

unusual, indescribable chemical taste.

The overall rating the Avion gives Epicure's 'Easy Pizzas Pizza' is a two out of a possible ten. The idea of a pizza delivery service to the dorms is great, but sometimes an unfortunate occurrence happens when a new service is started. Try, try again Epicure. We hope this was an isolated incident.

**Beds starting at \$145** **Always FREE Delivery** **FREE!**

50 plus commandos from Apartment Complex I turned out Saturday in full camouflage for a day of simulated combat near Deland. Those who's camouflage was a bit lacking suffered the "Ultimate" consequence at the hands of friends.

**"Collegians" Make a date at**

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# Int'l students may face 'reg' changes

By Rashid Hiaz  
Int'l Student Writer

The foreign student community at Embry-Riddle will be very interested to learn that the U.S. Immigration and Naturalization Service (INS) has recently published proposed changes to the F-1 non-immigrant student regulations. Information on the regulatory proposal was published in the National Association for Foreign Student Affairs (NAFSA) Government Affairs Bulletin Vol 3, No. 1.

The Bulletin states that the regulatory proposal was the direct result of NAFSA's regulatory reform effort. The five principle parts of the proposal are: simplification of the school transfer process, expanded and streamlined practical training opportunities, reduced record keeping and reporting burdens on educational institutions and a bar to change of status to the "H" temporary worker classification for some students.

Although the changes primarily are intended towards reducing paperwork burdens and for streamlining administrative procedures, there are certain areas which will definitely arouse the foreign student curiosity. The following is an extract from the

article which contains some points of interest to the foreign students.

**Duration of status** — Foreign students would fall out of status if they remain in a particular program for longer than the anticipated program length plus a grace period. According to the published notice, this restriction translates as follows: F-1 students in a program of two years or less, as indicated on their Form I-20AB, would be allowed a grace period of six additional months, students in a program of more than two years, would be allowed a grace period of 18 months.

**Practical Training** — The contemplated changes are the most dramatic in this area. Two types of practical training are proposed: pre-completion and post-completion of studies training. Each type of training would have a separate and mutually exclusive 12 month cap. As a consequence, it is permissible of an F-1 student to secure up to two years of practical training; twice the current limit.

The criteria for the eligibility of the training would remain similar to current regulations; the training is not available in the student's home country and is



International students of ERAU gathered this past summer at a farewell dinner honor FSS Senior Secretary, Carol

Kessler. Nearly one-hundred individuals mot for the social event which included a buffet and many presentations.

Photo by Tomia Uvros

## Students prepare for November Int'l Day

By Sunil Patel  
Int'l Students Writer

Six years ago, Mrs. Charlotte Skinner took over the directorship of the International Student Affairs Office (now called the Foreign Student Services). With her, came an idea whose time had come. She started the first International Day. From what I have been able to gather, the first one

was quite a small affair. The whole idea of this event was to let the foreign students promote their countries and to help broaden the cultural awareness of both American and foreign student alike. I know, as many other foreign students do, that geography is not one of the typical American student's strongest subjects. Also, a foreign student is not very likely to know another's home country

if it is located in a different hemisphere from his own. So, Mrs. Skinner's brainchild was a benefit for us all. For those among us who, perchance, do not have the foggiest notion of what International Day is all about, I shall try to enlighten you. International Day is usually held on Saturday for convenience sake. It is held in the U.C. and it involves the setting up of booths to represent the dif-

ferent countries. Preparations for International Day start months in advance. Letters have to be sent to different embassies requesting the various posters, pamphlets, color slides or film, artifacts and clothing among the other things to be used in the booths.

In the earlier years, various native dishes were prepared by

See Event, page 15

**Get your bags packed!**  
**Get your passports stamped and ready!**  
Be prepared to travel through different countries near and far. To where you never dreamed you could go, until now.  
**International Day 1988** (in the U.C.) on November 8. "Be there or be left out!"  
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See Event, page 15

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# ARMY ROTC Army Reserve Officer Training Corps

By Col. Cpl. Laura Skamara  
AROTC Writer

*American parachutists — devils in baggy pants — are less than 100 meters from my outpost line. I can't sleep at night. They pop up from nowhere and we never know when or how they will strike next. Seems like the black hearted devils are everywhere.*

This quote was found in a diary of a German officer who opposed the 504th Parachute Infantry on the Anzio beach head. Just what is Airborne?

- A—All the way
- I—In the sky
- R—Rough and tough
- B—Born to jump
- O—On the move
- R—Always Ready
- N—Never quit
- E—Everyday.

Last summer the largest group of cadets from our detachment completed Airborne training and are proudly wearing their Airborne jump wings. They could tell you exactly what Airborne training is all about.

The cadets that completed this training are Lenna Mohler, Thomas Sheehan, James Ware,

Charles Kim, Steven Smale and Jonathan Russell. Marie Grimmer, Dana Taylor, Gregory Taranco, Amilcar Calero, George Wilson, Robert Waring, and Mike Cherry are also among the group that received their wings.

The Airborne course is divided into three phases — ground week, tower week and jump week. Ground week is the most physically demanding of the three phases.

Cadets start their training with strenuous exercises and learn how to "shuffler" to a mock jump door on a 34 foot mock tower. Along with this, they learn the parachute landing fall (PLF) which prevents injuries. When asked what ground week was like MS IV Jonathan Russell replied,

"If you can make it through ground week, you're all right." During tower week you learn different types of landings in a suspended harness apparatus.

You also encounter the free tower which is the only training apparatus that lets you descend by a parachute MC1-1b and T-10B) to the ground. Also taught in this phase are mass exits — groups of people jumping at second intervals.

Next comes jump week — what you've been training for. You must complete five jumps to earn your wings. One jump is a night combat equipment jump. Cdr. Cpl. Russell commented on what is like to jump out of a C-130. "You count to four, look up and make sure everything is all right. If you get tangled up, you pull your reserve. Jumping out of a plane is like mass hysteria. You think this is crazy!"

The last jump is called the Hollywood jump. It is made with no equipment and your family may come to watch you jump and get your wings pinned upon your chest. Some cadets may get the traditional "Blood wings," which are slammed to you chest.

Cadet Thomas Sheen had this to say about blood wings. "The punch hurts going in, the wings hurt going out!"

Is there any helpful advice to future Airborne trainees? Cdr. Cpl. Russell said that they were given this suggestion: "If your mainboot gets messed up, you need to pull you reserve. If that doesn't work you have the rest of your life straighten out."



## RIDDLE RIDERS

By Rick Fingers  
President

The presidential assassination attempt was unsuccessful last Friday night at the Riddle Riders social as Generic struck again. Splinters of glass were found on the table, on the floor and strategically placed in certain helmets. The future plans for the entire computer industry were determined by Dunlap and Milkman and Mr. Clean started a whole series of Engineering bar tricks.

The ride last weekend began with nine members, eight bikes and six feet. Alexander Springs was the destination at which various activities emerged. Canoes were rented and once down the river, away from the beach area, a number of lights sounds and odors were provided by the club to compliment the Amazon type surroundings.

Spotted on the safari course were turtles, large fish, a manna ray, an otter, cultures, and even an alligator.

A canoe demolition derby resulted in Generic being slimed, Skimmerhorus wicker ptering out, a farewell to Ray-Irby by Dunlap, aerve dunking of Milky and an unexpected premature bath for Mr. Clean. Manatee and Ski got off easy as they were sailing in a domestic squabble. The thrilling voyage ended with a number of submergers and the wiping out of one six foot sub that Streak and company were left behind to guard and use to feed the ants.

Mr. Clean led a Rider Force to ensure the protection of one of the many natural sights, who was involved in a domestic squabble. The mission was successful!

This weekend is the Amazon Cancer Society's "Bidding for Bachelors" fund raiser. The

Riders are anxious to volunteer to work this event as the benefits should be good-looking, healthy and plentiful. It's also a very good cause.

C&O day was great success as twenty-five potential members signed up to receive more information. This was primarily due to the presence of Squirt and Dunlap's Scoot.

A big "hello" and "arraya!" was sent down to the club from Big Red in Maryland. He's doing fine and may be coming for a visit.

The Road Rally is scheduled for Nov. 9th and a camping trip is being planned for the near future. The next meeting will be Oct. 16th at 7 p.m. in room 2-601. If there are any questions or comments concerning the club, drop a note in the Riddle Riders box in the Student Activities Office.

Ride aware — show you care.

## ΣΦΔ Phi Delta

By Joe K. Lee  
Historian

Since 1924, Sigma Phi Delta has been a growing national fraternity. It has expanded both to the large university and to the small college because there is a need for a professional engineering fraternity. The Engineers of Sigma Phi Delta have a well defined professional program

and a controlled program of social activities.

Sigma Phi Delta believes in cooperation among engineering students and organizations. There are instances where the Chapters have been of tremendous value to the campuses.

The PI Chapter, originally located at Embury-Riddle Aeronautical Institute in Miami, relocated to Daytona Beach in coordination with

Embry-Riddle's move. At present, PI Chapter continues to be an integral organization on the ERAU Campus. It maintains its spirit of cooperation with many of Embury-Riddle's activities.

In broad scope, PI Chapter continues promoting the advancement of the engineering profession and fostering the advancement of engineering education.

# EAGLE FLIGHT CENTER

By the way, Sigma Phi Delta has a well defined professional program relocated to Daytona Beach in coordination with advancement of engineering education by the club to compliment the Amazon type surroundings. Cancer Society's "Bidding for Bachelors" fund raiser. The Riders box in the Student Activities Office. Ride aware — show you care.

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"AND 1000'S MORE ITEMS"

# ΘΦΑ Theta Phi Alpha

By Frances Lewis  
Club Editor

With the end of Rush Week and the work put into it, the outcome was a success. The sisters had a nice time at the parties meeting the rushes. Bids were sent out his week. Those who ac-

cept will be pledged in this week, the beginning of October. The sisters are anxious to see who the pledgees will be!

The sisters are psyched about Greek Week, especially the new event! Practice will be starting soon so we will turn out better than last year!

We are looking forward to another wild time with Delta Chi at their annual Caddyback party this Friday, Oct. 3rd.

And to the birthday sisters: Happy Birthday Krista Distal on the 5th and Angie Bocran on the 12th. Have fun at your party.

# AFROTC Air Force Reserve Officer Training Corps

By Capt. McCabe  
Club Writer

The Fall trimester is now in full swing as we approach the second week of October. The goals which you set for yourself should be within your reach as long as you continue to have a positive attitude and an increasing level of motivation.

Over the weekend, the Special Teams performed at the Fireman's Day Parade on Oct. 4 in South Daytona. The Band, Drill Team, and Rifle Team all

did an excellent job representing the Corps. Congratulations and keep up the good work.

Col. Charles B. Moore, Southeast Area Commandant, will be visiting the detachment on Oct. 13 and 14. The Inspector General will also be visiting the month of October so, all cadets must be in AFR 35-10 and be highly motivated.

AFOTC is scheduled for Oct. 11 and 18 so, if you have not signed up do so as soon as possible. Remember, it is your future. Seniors, remember your trips

to Patrick AFB for commissioning physicals are Oct. 20 through Oct. 23.

Drill competition and promotion tests are scheduled for the week of Oct. 13. These will help determine who will be honor flight and work towards your promotion. Also, the Physical Fitness Test must be administered by your big brother by that week.

Good luck with your promotion and who will be Honor Flight.

# ΣΠ Sigma Pi

By Doug Brooks  
Sigma Pi Herald

It seems as though school has just started but already a month has gone by. Time has passed just as quickly for the Sigma Pi brothers.

This past week was mostly

spent finishing up with rush and really getting to know all the perspective pledges. On Saturday everyone went to the beach and took part in activities such as volleyball, surfing, and jet skiing. This evening formal bids were given out. Thanks should go to Jeff Ash, Joe Cammarota, Nigel Richards, and Doug

Brooks for volunteering their apartment to be used. Congratulations to everyone who received a bid, we are glad your thinking of Sigma Pi.

Last week we welcomed brother McNeil to ERAU when it should have been O'Neil. Sorry dude.

# ΛΧΑ Lambda Chi Alpha

By Tom Lyons  
Club Writer

The brothers of Lambda Chi Alpha are proud to introduce our newest associate members. They are Steve Ioran, Gary Ritzenhouse, John Clark, Tom Ross, Eric Shannon, Bill Wasson, Hendry Betts, and Matt Walhour. We wish all our new associate members the best of luck and encourage them to work

diligently to better themselves and Lambda Chi.

The Fall 1986 Official Rushweek is now over but the brothers continue their search for young men possessing the qualities necessary for being a brother.

Every Wednesday night at 7:30 p.m. the Lambda Chi family invades Louie's Pizza and Restaurant for a night of pizza, beer and a whole lot of fun.

Speaking of fun, it may have been a dry rush but Lambda Chi was still rocking late into the night Friday the 26th and Saturday the 27th at the fraternity house. This past Friday night, the brothers attended the user show in the Planetarium, and Saru, due was our first car wash of the new school year.

Check our bulletin board in the University Center for upcoming events and dates

# AHP Alpha Eta Rho

By Geoff Waxman  
Club Writer

AHP has been keeping themselves very active so far this trimester. Our house has moved along smoothly with all the construction finished, and a few finishing touches left to do. Doc Horowitz has been a great ally to our fraternity and we are forever grateful for all the "finagling" he has done. This house has really given our fraternity a real sense of commitment and togetherness, which will carry us into an even greater future.

AHP held a barbecue at the

house on Saturday the 27th. We had a great turnout from the brothers as well as an eager bunch of pledgees. We were able to discuss the house together, and hang around it in its barren state.

The first pledge orientation meeting was held last Tuesday. The brothers answered many questions and tried to meet as many pledges as possible. Big brothers were picked for most of pledge class Beta Alpha with a few pledges still left undecided. Now is the time to start socializing and meeting the brothers. The most important thing to remember is that the brothers are there to talk to, and you should

be honest and yourself with them. For those who are not members of AHP and would like to be, leave a note in the AHP box in the Student Activities Office if you missed pledge orientation.

Notes of Interest: Welcome back to the Avion EJM, Congrats to Rex who's studying criminology in NYC, a salute to George Poland who became a second lieutenant in AFROTC, wave of the wings to Dan F, who is now Vice-President of the Flight Team, and good luck to those of you pledging, take it easy. Stay.

# ROA Reserve Officer's Association

By Jeff Silver  
Public Affairs Officer

As I figured, the Reserve Officers Association (R.O.A.) is going to have an exciting trimester ahead of itself. Quite a number of activities are being planned out right now and I was also pleased by the number of new faces which showed up CRO day and our last meeting to swell the ranks of the R.O.A.

Our tutoring program is starting to get under way. Anybody that is interested in either "tutoring" or being tutored contact Ed or any officer. Remember, shoot for good grades, your future depends on it. Last meeting, a unanimous vote approved the

purchase of an R.O.A. flag which will be displayed during all our activities and functions.


From what I understand it is a red flag with the R.O.A. emblem on it and our sub hapter 4 title. Last week Group 3 of the Air Force detachment challenged us to battle in "The Ultimate Game." I had to chuckle at this tactical mistake of theirs. As I was just getting over this, Arnold Air also challenged us. Well that did it I just had to burst out laughing! What a shame, we'll have to embarrass practically the whole Air Force detachment in one weekend. Well, I wish you luck, you'll need it (hint: don't wear your dress blues). Check the board for further details. Also, I would like to encourage any

members with ideas to come talk to me about them. Remember, we need your input to make this the most successful year ever.

At our last meeting, Bill Watson was introduced as our new "Army Liaison Officer." If you would like to get in contact with him, his box number is J-215. Also dues were collected at our last meeting (\$14.00 for the year) and ribbons were distributed. If you haven't paid your dues yet or would like to become a member, please get in touch with Chul Lee; box 6069.

The R.O.A. is growing rapidly. If you're in R.O.T.C., Platoon Leaders or Naval club, come check us out. I think you'll like what you see!

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With Yamaha



Riva Scooters by Yamaha  
Most Complete motorcycle outlet  
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**10 Percent Discount to ERAU students and faculty**

FLUJIFILM SALE 100/24 \$3.00  
Hours: Monday-Saturday 9-8, Sunday 9-8

Located Across from Speedway  
**1808 Volusia Ave. (904) 258-8061**

**AAAE**

Meeting: Thursday Oct. 9, 6 PM at Daytona Beach Airport Office

Speaker: Dennis McGee  
Daytona Beach Airport Manager

**Everyone Welcome!**

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Riva Scooters by Yamaha  
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1 Hour Photo

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Speaker: Dennis McGee  
Daytona Beach Airport Manager

**Everyone Welcome!**

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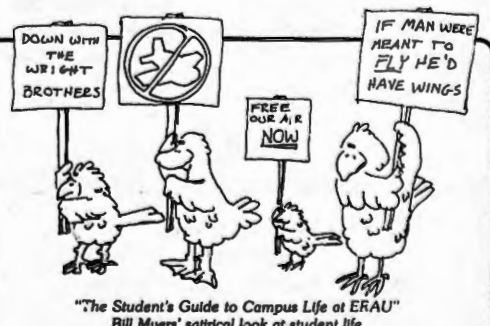
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Sun. Noon-8p.m.



DOWN WITH THE WEIGHT BROTHERS

IF MAN WERE HEANT TO FLY HE'D HAVE WINGS

FREE OUR AIR NOW

"The Student's Guide to Campus Life at ERAU"  
Bill Myers' satirical look at student life  
Now on sale in the AVION office and other select locations

76 page/12

autos for sale

'73 TRANS AM - 400 Pontiac engine, A/C, tilt wheel, power brakes...
'71 RED CORVETTE STINGRAY - Clean, 350, 200 H.P. Amco, air, P.P.S.
'81 BEVE 248-D - Excellent condition, equity maintained...
'78 CAMARO - New engine and transmission...
'74 PINTO STATIONWAGON - Rust free, New brakes, plus radial tires...
'77 HONDA CIVIC - 3 door engine in good shape, rust proof, month work...
'74 VOLVO 142 - P.S., P.B., fuel injection, rebuilt automatic transmission...
'73 DODGE MONACO BROUHAM - 4 dr. H.T., hooded, like new...
'78 BUICK REGAL TURBO (2.0 LIT.) - Excellent mechanical condition...
'85 OLDS CUTLASS CONVERTIBLE - Very nice condition with lots of options...
DINO'S PIZZA \* FRESH DOUGH DAILY \* DINO'S PIZZA \* FAST DELIVERY \* GREATEST GREAT SUBS - FRESH DOUGH

bicycles for sale

'81 KAWASAKI 600 CSK - Chrome barter and bug rack...
'82 HONDA 900 CUSTOM MOTORCYCLE - All winter equipment, low mileage...

rooms for rent

ROOMMATE WANTED - Female roommate wanted to share 2 bedrooms...
ROOMS FOR RENT - Office space available, 517 S. Ridgewood Ave...
ROOMMATE wanted immediately for househould...
ROOMMATE WANTED - One needed to share a two bedroom, single bed apartment...

MUMARK AUDIO MIXTR - Model 1130. Used case. \$130 leave message in box 2422.
FOR SALE - Technics receiver \$70, Technics speakers \$100...
FOR SALE - 4 driver desert, like new. \$40 call Tech at 253-9050.

SAILBOARD - Ten foot Alpha competition line sailboard, complete...
FOR SALE - 300 cc off-road, Kustom 100-151 speaker, Sold new \$270...

FLY HOME FOR CHRISTMAS - Looking for 3 people to share the ride...
The airplane is a 1979 Piper Arrow III with Lorain...
FLY HOME FOR CHRISTMAS - Looking for 3 people to share the ride...
The airplane is a 1979 Piper Arrow III with Lorain...

'78 YAMAHA RD-400 - Daytona styling, Very clean and nice...
'83 HONDA XR 350 - Everything original, barely used...
'79 YAMAHA RD-400 - Daytona styling, Very clean and nice...
KAWASAKI 600 LTD - 15,000 mi., rust free...
'83 HONDA SPREE - Moped, excellent condition...
MOPED - Clean moped for sale...
'85 OLDS CUTLASS CONVERTIBLE - Very nice condition with lots of options...
'84 HONDA XR 350 - Everything original, barely used...

APARTMENT FOR RENT - two bedroom, furnished apt...
ROOMMATE WANTED - Male or female, 2 bedroom, 1 1/2 bath condo...
ROOMMATE WANTED - Male or female, 2 bedroom, 1 1/2 bath condo...
COMPUTERS - Apple IIe. Two main disk drives...
SCUBA GEAR - 3 80 aluminum, set pack, regulator, depth and pressure gauge...

miscellaneous for sale
'85 OLDS CUTLASS CONVERTIBLE - Very nice condition with lots of options...
'84 HONDA XR 350 - Everything original, barely used...

COMPUTERS - Apple IIe. Two main disk drives. Epson printer (full size) many books...
SCUBA GEAR - 3 80 aluminum, set pack, regulator, depth and pressure gauge...

REWARD - \$1000 for any and all information leading to the arrest and conviction of person or persons guilty of cutting the tires on a 1978 Isuzu Green Camaro...
AIR FORCE HAS OFFICER OPENINGS
For information call Major Russ Hamer (303) 233-4009

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Any Large Two Item Pizza For \$10.95 Excluding Extra Cheese Buy One Get One FREE
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Coupon Good On Dine-In, Pickup or Delivery
Prices Do Not Include Tax or .80¢ Delivery Fee
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WANTED FOR CREATIONS
Embry Riddle's Literary Magazine
ESSAYS DRAWINGS PHOTOGRAPHS POETRY SHORT STORIES
ALL ENTRIES DUE FRIDAY, OCT. 31
Please include Name, Box Number Submit Entries to Room A-230(Berg) or Box 7896

# CHANGE (continued from page 11)

related to the student's course of study.

**After an change to "11" category**—As an additional control for the practical training regulation, the package proposes a bar to in-country change of non-immigrant status to the "H" classification, for students who engage in post completion of studies training. The bulletin states that according to published notice, "the INS believes the practical training experience is being abused by individuals to gain temporary and ultimate permanent employment in the U.S."

According to the NAFSA bulletin, the INS is seeking public opinion on the proposal and it will be a while before the changes come into effect. Furthermore, the reader should be aware that the above has been provided for the interest of the general public and is not intended to serve as a hindering issue.

Students interested in obtaining more specific information concerning this issue are requested to contact the Foreign Student Office in Dorm II, Room 179.

# EVENT (continued from page 11)

The students to be tested by all who wanted to try something new. This custom went on until last year, and it had become an integral part of the day's activities. Now, through increases in safety regulations and new school policies, the food will have to be prepared by properly licensed individuals or companies. A minor change, which cuts down on the "personality" of the occasion, but a necessary change in these days and times.

To have your own booth on International Day is to represent your country in a very personal and proud way. The one-on-one contact you experience, in talking to the people who stop by your booth, leaves you with a feeling

of satisfaction in promoting your country the best way you know how.

There are many benefits involved too. While working your booth, you will meet many people who have been to, or even live in, your home country. You will also meet many other students and people from the community who will be indebted to you for making them aware of the different aspects of your country. There are numerous possibilities for some good friendships to be made on this day.

So, if you can't have your own booth, go there anyway and learn something about the place you always wanted to go.

# Waste (continued from page 3)

hazardous waste program emotional impact, personal liability of the installation commander, etc will not do. DoD hazardous material/hazardous waste staffing requirements to be ignored," the inspector general warned.

Qualified engineering and scientific personnel must be employed full time.

Waste disposal overseas presents a complex set of problems. In South Korea and the Philippines, for example, there might be a ready market for surplus paints, solvents and other potentially dangerous material, but in Japan it is impossible to sell virtually anything of that nature made in the United States.

# Riddle clubs need members

**By Laurie Rantlos**  
Student Activities Coordinator

The clubs listed below are dwindling down and need enthusiastic students to revitalize them. Many of the club officers who lead these groups graduated in April and August. If you are interested in starting these clubs again, please stop by the Student Activities Office and fill out an interest sheet. We will hold a meeting for each group. If enough interest is generated, to begin the chartering process.

**Commodore Users Group**—To promote computer literacy in the membership as well as in the community. Provides an opportunity for members to pursue their career goals.

**Eta Mu Sigma**—Recognizes honor students in aviation

management. Members are eligible to participate in professional internships. A 3.5 Cumulative G.P.A. for Juniors and a 3.0 cumulative for Seniors is required.

**French Club**—Promotes an awareness of the French language and culture. Activities include parties, films, classes and travelogues.

**Sport Scuba Club**—Promotes the sport of skin and scuba diving through certification, safety and participation. In addition to charter off-shore diving, the club sponsors barbecues and cookouts.

**Glider Club**—ERAU students, faculty, staff and their families get together to promote the sport of soaring.

**Investment Club**—Provides members with investment education and makes its members more efficient at money management.

**Italian American Club**—Cultivates and perpetuates the language and culture of Italians. Activities include Italian Awareness Day and cultural field trips.

**Riddle Skiers**—Promotes recreational and collegiate water skiing at ERAU.

**Tri-School Snow Ski Club**—Promotes an interest in winter sports among students at ERAU, Daytona Beach Community College and Stetson University.

**Cheer Club**—Promotes an interest in the game of chess among ERAU students. Tournaments are held both within the campus community and competitively between other colleges and universities. Beginners as well as professionals are invited to participate.

# Collegiate Crossword Puzzle

**ACROSS**

- 1 Mongrel
- 4 Epicure
- 6 Curio
- 7 Member
- 8 Percent
- 9 Tuna
- 12 Beverage
- 13 Archway
- 36 Printer's measure
- 37 Cure
- 38 Monetary
- 39 Permanent
- 42 Extremely
- 43 Wooden vessel

**DOWN**

- 14 Garden tool
- 15 Compound
- 17 Ferrets
- 19 Misnomer of Europe
- 20 Ripped
- 21 Tibetan priest
- 22 Coming in best time
- 44 Dwell
- 46 Country of Asia
- 18 Dry
- 20 Washed on
- 21 Bone ready
- 22 Caskin
- 24 Hamble
- 25 Gown
- 26 Sitar vetch
- 28 Threelined
- 29 Ostrons
- 32 Male sheep; pt.
- 34 Bent forth
- 35 Fresh
- 38 Prepare for grief
- 40 Theaters
- 41 Evasuata
- 42 Extraneous
- 43 Suture
- 47 Fiddly intrapsa
- 48 Inert
- 49 Klastic; as written
- 49 French for "sumner"
- 50 Unchecked
- 51 Unchecked
- 52 Negative profit

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## personals

Whoever stole my towel and toothbrush... I'm looking for another message from the mystic dove south! Keep those Spanish poems coming, my roommate needs the translating experience.

**BULLDOG.**  
Thanks for sharing my fantasy. Let's do it again...and again...  
Love, Half-pint

**Frackin.**  
After a long wait, here's what you've been waiting for. Another message from the mystic dove south! Keep those Spanish poems coming, my roommate needs the translating experience.  
Tiger

**ODIE II.**  
I've love to go out to eat, but unfortunately you're not on the menu. Why don't you go down to your dorm!

**GARFIELD**

**E.D.A. (ALIAS NATIVE).**  
Did you do well on your statistics test? I enjoyed the class. Keep the champagne chilled. Did you ever wonder how I sat at this stuff in the paper? I haven't felt so hot lately. I loved the 'FOOTSY' stuff after dinner even though I was upset. I've cooled a bit now. Call me.

**TEXAS MAN!**  
P.S. Things have gotten a bit out-of-bounds; a regular snowball effect.

To the guys of Dorm II 3rd West...  
I'm glad to see you guys are still here. Great idea guys, are you going to hold the state P.V.T. How fitting of a title.  
Your "hic" sis.

To the blonde in rm. 333...  
Thanks for the added help Saturday night at the Taps. Sometimes you make me so mad!!  
From your favorite, Half-Pint

**unknown girl,**  
I don't even though I've "seen" you since... I still don't know who you are! I hope to see you outside the class where I see you. It'd be nice to know your name - it'd be nice to share again too.  
Beverlydawn psc.

# WATER KING-SIZE

Almost every school I've "seen" you since... I still don't know who you are! I hope to see you outside the class where I see you. It'd be nice to know your name - it'd be nice to share again too.  
Beverlydawn psc.

ing requirements to be ignored," the inspector general warned. Qualified engineering and scientific personnel must be employed full time.

surplus paints, solvents and other potentially dangerous material, but in Japan it is impossible to sell virtually anything of that nature made in the United States.

## WE BUY USED ALBUMS, CD's & CASSETTES

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# Scale KING-SIZE WATERBEDS

Starting at \$149 COMPLETE

PERCALE SHEETS \$28.50  
MATTRESS PADS (Any Size) \$8.74  
PADDED SIDE RAILS \$9.95

NOW 2 LOCATIONS

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MON. - FRI 10 - 7 SAT. 10 - 8

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RECORDS & TAPES  
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Trade 2 used CD's for 1 new CD  
Used CD's \$9.99  
Ask For Details!

Check Out Our Low Prices

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\$9.98	\$7.99
\$10.98	\$8.99
\$11.98	\$9.99

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1/2 Block West of Beach Street  
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HOURS  
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Sunday Noon-5:00 PM

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BLANK TAPES

TDK SA 90 Min. \$2.99 each-2 Pack \$4.99  
TDK SAK 90 Min. - \$3.99 each  
TDK SA 60 Min. - \$1.99 each  
Maxell UDXL II 90 Min. - \$2.99 each  
Maxell XL II 90 Min. - \$3.99

Avion Football Pool

Dash .700%	The Greek .730%
Buffalo at Miami	★
★ Chicago at Houston	
★ Denver at San Diego	
★ Detroit at Green Bay	
★ Kansas City at Cleveland	
LA Rams at Atlanta	★
Minnesota at San Francisco	★
★ New Orleans at Indianapolis	
★ NY Jets at New England	
Philly at NY Giants	★
★ St. Louis at Tampa Bay	
Seattle at LA Raiders	★
★ Washington at Dallas	

**TIEBREAKER:** Predict the score of any one game above. List teams with score.

NAME:  
ERAU BOX:

To enter this weeks Avion football pool, cut out this entry form and circle who you think will win the matchups above.

Deadline for entries will be Friday, Oct. 3rd at 3 p.m. Entries can be dropped in the campus mail slot or brought to the Avion Sports Box.

A winner will be selected by the next issue. Winners are selected on the basis of the number of correct answers made on the entry form. Should a tie occur, the winner will be selected by the most accurate prediction of any game

listed. For instance, a person who guessed a score of 24-20, would have a total of 44 points. If the game score was 27-24 (a total of 51 points) a difference of 7 points exists. The closest score will be considered the prediction which comes the closest to both teams points.

The winner will receive "The Student's Guide to Campus Life at ERAU" by Bill Myers.

One entry per person. Remember to select a winner for every game.

**Football**

P.T. Puffers	.....32
Dogs	.....0
Air Force One	.....32
'Q' II's	.....7
Tailhookers	.....7
Brew Crew	.....6
Queebers	.....42
Beavers	.....0
Delta Chi	.....34
O.F.W.'s	.....7
Vets Club	.....0
Sigma Chi	.....0
Sigma Pi	.....2
Lambda Chi	.....0
Alpha Eta Rho	.....40
Riddle Rowdies	.....0
Sieve's Stallions	.....14
Romeo Babies	.....7
Pine Lakers	.....13
Nova Nine	.....13
Bombers	.....19
Wolfpack	.....6

**Volleyball**

Phi Sigma Iuma	.....2
Silver Hawks	.....0
Chameleons	.....2
Black Hawks	.....0
Kasa	.....1
Beview Crew	.....1
A.F.R.O.T.C.	.....2
A.I.A.A.	.....0
Icarus	.....2
Sierra Hotels	.....1

**ERAU Basketball**

**Results**

Falcons	.....20
Subdules	.....17
Downtowns	.....20
Whiteboys	.....14
Knello	.....20
Lambda Chi	.....5
Rebels	.....20
Queebers	.....9
Windsurfers	.....20
Airforce	.....17

**Standings**

Falcons	10
Downtowns	10
Kneller	10
Rebels	10
Windsurfers	10
Subdules	01
Whiteboys	01
Lambda Chi	01
Queebers	01
Airforce	01

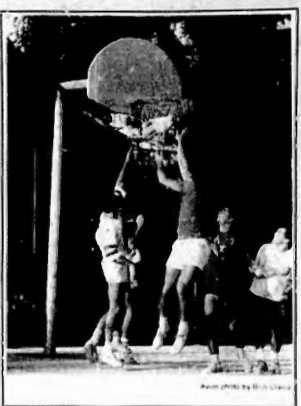


Photo photo by Bill Myers



Photo photo by Tom Hines

form. Should a tie occur, the winner will be selected by the most accurate prediction of any game

Icarus	.....2
Sierra Hotels	.....1

Delta Chi	.....1
Albrecht's	.....1

Photo photo by Tom Hines

# 701 South

**As always, there is NEVER an admission fee for Riddle students! \***

TUESDAY NIGHT IS COLLEGE AND FRATERNITY NIGHT AT 701 SOUTH MAX HEADROOM T-SHIRTS AND 16oz. ERAU BEER MUGS WILL BE GIVEN AWAY COME PARTY 701

**MONDAY** - ATTENTION DAYTONA'S HOTTEST DANCERS 701 SOUTH IS LOOKING FOR YOU! MONDAY NIGHT IS HAWAIIAN TROPIC DANCE CONTEST NIGHT WITH FREE DRINKS FROM 9PM TO 12PM

**TUESDAY** - COLLEGE AND FRAT NIGHT! FREE ERAU 16oz BEER MUG AT THE DOOR TO ALL STUDENTS WITH VALID ERAU ID BRING MUG WITH YOU ANY NIGHT AND FILL IT WITH HEINEKEN DRAFT FOR A BUCK!

**WEDNESDAY** - 701 SOUTH PRESENTS MULTIPLE SCLEROSIS ROCK-A-LIKE NIGHT! LIP SYNC Y'JUR WAY TO STARDOM AND CASH PRIZES WHILE HELPING FIGHT MULTIPLE SCLEROSIS LADIES DRINK FREE FROM 9PM TO 1:30AM

**THURSDAY** - UGliest JOKE CONTEST AND FREE DRINKS! STUDENTS COME PAY A BUCK TO TELL YOUR UGliest JOKE AND THE BEST JOKE WILL WIN PRIZES. PROCEEDS TO HELP BUST MULTIPLE SCLEROSIS

**FRIDAY** - DRINK TWO FOR ONE DRINKS AND THROW PIES AT YOUR FAVORITE BARTENDER! BUY A PIE FOR 5 BUCKS PROCEEDS TO HELP BUST MULTIPLE SCLEROSIS

**SATURDAY** - TWO FOR ONE DRINKS AND COME FIND THAT SPECIAL NUT OR BOLT AT THE NUT AND BOLT PARTY! LADIES GET THE NUTS AND GUYS GET THE BOLTS AND THEY COMPARE TO SEE IF THEY FIT TOGETHER! MATCHES WIN A DINNER FOR TWO!

EVERY SUNDAY COMES SUNDAY BLOODY SUNDAY COME HEAR NEW WAVE PROGRESSIVE MUSIC COME DRINK HEINEKENS FOR A BUCK ALWAYS 2 FOR 1 DRINKS AT 701 SOUTH COME PARTY 701

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