

9-17-1986

Avion 1986-09-17

Embry-Riddle Aeronautical University

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AVION

An Award-Winning Collegiate Newspaper

Volume 54, Issue 2

Embry-Riddle Aeronautical University, Daytona Beach, Florida

September 17, 1986

Student dies Freshman killed by an overdose of Tylenol

By Steve Cagle
Avion Staff Reporter

George N. Katchis, age 20, a freshman Aviation Maintenance Technology student, died Wednesday, Sept. 10, of liver damage suffered after ingesting a large quantity of Tylenol the previous weekend.



According to family members, Katchis was distraught over breaking up with his girlfriend and took the Tylenol in order to "prove a point" to her. They noted that Katchis had repeatedly said he did not want to kill himself, but only make himself sick, and was not aware that Tylenol could be deadly.

Family members told the Avion that Katchis had taken the Tylenol early Saturday morning. Sunday, he felt ill and contacted several of his aunts who lived in the area who took him to Fish Memorial Hospital in New Smyrna Beach.

Katchis was transferred into the care of a liver specialist at Ormond Beach Memorial Hospital on Monday. There was an attempt to secure a liver transplant in Iowa for him, but there were no donors available and his condition had deteriorated so that a transplant was not possible.

His condition worsened during the day on Tuesday and he went into a coma that evening. He died at 6:45 p.m. on Wednesday.



Going the wrong way...

Greeks Kick it off

By J. Miguel Vidal

In an attempt to increase communications among Greek organizations and ERAU students, the Inter-Fraternity Council (IFC) will present a Rush Kick off party. This party, which will be sponsored by the seven fraternities and sorority on this campus, will be on Friday, Sept. 19, at 5:00 p.m. in the University Center.

According to Chuck Stern, IFC President, a Rush Kick off party is the next logical step in a series of improvements that have been done, on the Greek system, during the last few months. First, Rush guidelines were implemented, the idea of rush monitors was put into use, then a plan to make the Greek organizations work closer together was started, and finally an IFC pamphlet was done and sent to all new incoming freshmen and transfer students.

The idea of the Rush guidelines was started due to a problem common among the Greek organizations, alcohol liability.

Freshman killed by an overdose of Tylenol

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According to George's family, his life-long dream was to go to Embry-Riddle. He was mechanically inclined and had studied aviation maintenance before coming to Riddle. According to his mother, neighborhood children would often bring their bikes to him to be fixed. She said that he was looked up to by the children in his family and was a popular and outgoing person.

In his short time at Embry-Riddle, Katchis had already made many friends, was highly motivated to learn as much as he could about aviation and was determined to succeed at Riddle according to his mother.



Going the wrong way...

The construction of a traffic circle in front of the library continues to create circulation problems in the university parking lot and entry way.

Some medications may be more hazardous than usually expected

By Steve Cagle
Avion Staff Reporter

Over-the-counter medications are not usually thought of as being particularly hazardous, but the recent death of an Embry-Riddle student has demonstrated that when abused, these drugs can be deadly.

George "the Greek" Katchis had taken a large number of Tylenol in an attempt to prove a point to his girlfriend according to his family. He was not aware that Tylenol taken in such a quantity could do irreparable damage to his liver.

He was not alone in his ignorance. There were several well as officials of the University, were unaware of the dangers posed by exceeding recommended doses of the popular pain reliever.

The recommended doses. Many times, people feel that if a little works, then a lot must work even better from him and not repeat his mistake.

Many individuals who are faced with serious problems attempt to solve them without outside help which may lead to making a poor decision. Instead of doing something rash, it is advisable to talk to someone in order to explore possible solutions.

There are a variety of services available to students who find themselves in a crisis. The Counseling Center is open Monday through Friday from 8:00 a.m. to 5:00 p.m. and provides confidential counseling for Embry-Riddle students. If an emergency occurs during the weekend, help can be obtained by calling the University switch board and they will contact one of the counselors for assistance. If a student is living in Campus housing, they can contact their Resident Assistant for help.

See Medications page 14



Light poles were brought to the campus, and installed in the new parking lot during the weekend. This marked the completion of this new facility.

Tax bill could seriously hurt colleges and students

By Susan Shorupa
College Press Service

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Kick it off

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The idea of the Rush guidelines was started due to a problem common among the Greek organizations, alcohol liability. In order to avoid excessive alcohol use, and possible accidents during the Rush parties, the Inter-Fraternity Council came up with a set of rules to monitor alcohol during Rush. One of the benefits that came out of this was the Rush monitors program, which will be formed by members of every Fraternity and Sorority. This group's common goal is to prevent inter-Fraternity relations to a greater extent.

Chuck Stern also mentioned that another very important goal of Greeks is to promote school spirit. According to Stern, the university has tried many ways to improve school spirit, but they have either failed or have been forgotten over time. The Greek system, in the other hand, has been with the university for more than twenty years. It has stayed, it has grown, and it will continue to grow.

Other activities, organized by the Greek system, include Rush parties through Sept. 28, and Greek week which begins on Oct. 12 and ends on Oct. 19.

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According to George's family, his life-long dream was to go to Embury-Riddle. He was mechanically inclined and had studied aviation maintenance before coming to Riddle. According to his mother, he was fond of working on cars, bikes and anything mechanical, and neighborhood children would often bring their bikes to him to be fixed. She said that he was looked up to by the children in his family and was a popular and outgoing person.

In his short time at Embury-Riddle, Katechis had already made many friends, was highly motivated to learn as much as he could about aviation and was determined to succeed at Riddle according to his mother.



Avion photo by Allan Borg

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Tax bill could seriously hurt colleges and students

By Susan Skorupa
College Press Service

WASHINGTON, D.C. — The tax reform bill now before Congress will have an "almost vindictive" effect on colleges if it is passed, educators say.

The bill — which many observers expect to pass both the House and Senate this month — would cripple many campus fundraising efforts and require some students to pay taxes on money they get through financial aid. Others say it effectively would make diplomas about 15 percent more expensive than they are now.

Observers fret tax reform will ignite a chain reaction of cost increases that cut donations to colleges, drive up tuition, increase students' debt burden, take a bigger tax bite out of students after they graduate, make private colleges vastly more expensive than public colleges, and even drive some students out of college altogether.

It "will seriously compromise the vitality of American colleges and universities," states Bill Kroger of the American Council on Education (ACE). "It will impose serious financial hardships on both colleges and students."

Educators most fear two provisions of the bill: One provision affects how private colleges can raise money by selling tax exempt bonds. When colleges sell, say, a \$500 bond, they effectively borrow

\$500 from the buyer, agreeing to repay the \$500, plus interest, to the buyer quarterly. Since the interest payment — which is profit to the buyer — is tax exempt, the bond buyer gets a break on his taxes while the college gets to use the buyer's \$500 for a while.

But with the tax reform, private colleges can't have more than the \$150 million in tax exempt bonds out any one time.

The other provision makes large private donations of stock, real estate or other appreciable property subject to a minimum tax.

Since both measures would change the major tax breaks people get for donating to colleges, the colleges are worried people will stop giving.

While the bond limits will affect only 20 to 25 top private schools, "those are the ones that do the lion's share of research," Kroger explains.

"It will keep them from raising money in that fashion. One top university already has nearly \$200 million in bonds outstanding, and they can't issue any more until they knock down that total."

"It seems almost vindictive on the part of those who wrote the bill," says Stanford spokesman Larry Horton.

See Tax page 14

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The construction of a traffic circle in front of the library continues to create circulation problems in the university.

Most problems were supposed to be solved with the completion of the new parking lot and entry way.

Some medications may be more hazardous than usually expected

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He was not alone in his ignorance. His family, as well as officials of the University, were unaware of the dangers posed by exceeding recommended doses of the popular pain reliever.

Tylenol is not the only over-the-counter drug that can be dangerous when abused. Diet pills, sleeping pills, "pep pills," as well as pain relievers are all drugs which are often taken in amounts exceeding

the recommended doses. Many times, people feel that if a little works, then a lot must work even better from him and not repeat his mistake.

Many individuals who are faced with serious problems attempt to solve them without outside help which may lead to making a poor decision. Instead of doing something rash, it is advisable to talk to someone in order to explore possible solutions.

There are a variety of services available to students who find themselves in a crisis. The Counseling Center is open Monday through Friday from 8:00 a.m. to 5:00 p.m. and provides confidential counseling for Embury-Riddle students. If an emergency occurs during the weekend, help can be obtained by calling the University Health Board and they will contact one of the counselors for assistance. If a student is living in Campus housing, they can contact their Resident Assistant for help.

See Medications page 14



Avion photo by Mark Stern Montage

Avion goes to Farnborough...

The British Aerospace EAP Prototype has been developed to serve as a test bed for Eurofighter takes off for a flight demonstration at Farnborough '86. Appearing a few weeks after its first flight on Aug. 8, the EAP

See Farnborough page 20

Avion photo by Richard Cook

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Editorial

Constructing an easy plan to relax

Again, we are in the middle of September, which means, back to school, professional football and campus construction. These type of activities tend to take a mild-mannered student and transform him into a hyped-up fanatic. Especially, with all the parking lot construction taking place it's enough to make a student's blood pressure jump 40 points while in the process of (parking) space exploration. And then, just when you thought things couldn't get any worse there's no pro-football in the area to speak of.

One has to try and remain as composed and patient as possible. Plan to leave a few minutes earlier for school and when you get there, have a cup of coffee, sit down and relax. On Fridays for example, instead of trying to obtain Mach out of the parking lot, plan to attend one or both of the two remaining 'Attitude Adjustments' with a friend. Or perhaps a quick refreshing dip in the pool before you leave.

The ideas that I have been trying to convey through my suggestions are, that while the parking lot construction is continuing, everyday student functions and activities will be slightly restricted. There will, more than likely, be times when quite a few of you will lose your tempers or acquire a bad attitude for awhile. After all, we are not on a five year mission to find parking, we are on a four year mission to get a degree. The construction on campus won't take forever, so give it your best in dealing with it.

If you need to relax, look no further than your television. On the better side, the NFL is in their third week of the '86 season and what better way (for most of you) to relieve some steam with some good friends and your favorite team on the best television system in the world? Before you know it, the earthmovers will be gone, finally



Needs Help

To the Editor:

In the Nov. 5, 1985 *Avion*, I read with much interest, the article, "Rocket Pioneer Expresses Wish" by Prof. Hermann Oberth of Germany. This brought to mind the young Werner von Braun, who joined the Verein für Raumschiffahrt at age 19. This Society for Space Travel was organized in 1927 for the two-fold purpose of performing serious experiments in rocket propulsion and of popularizing the idea of flight to the moon and planets. The president was He-

V-2 which reeked such havoc on England. Following the surrender of Germany in 1945, von Braun and about 130 members of his rocket team surrendered to the American forces. Through Operation Paperclip, they were transported to El Paso, Texas and later to Huntsville, Ala., where the rocket team developed much of the technology that put the U.S. on the moon. It was estimated that Operation Paperclip saved the U.S. at least 750 million dollars in basic rocket research alone plus the acquisition of some of the finest technical brains in the world. Werner von Braun died June 16, 1977 in Alexandria, Va. and I ask, where is Werner von Braun buried?

In Berlin, West Germany, in Sept. 1985, I was told that von Braun was buried in Oberau-Dorf, a small town in Bavaria, south of Rosenheim. Later in Munich, a friend who grew up in Rosenheim, made inquiries for me and she was told that von Braun was buried in Huntsville, Ala. Yet in Huntsville, I was told the burial place of Werner von Braun was not known. Since Embury-Riddle is an aviation/space oriented university, perhaps some reader can tell me where Werner von Braun is buried. If the *Avion* finds the answer, I shall be grateful.

Spell it Right

To the Editor:

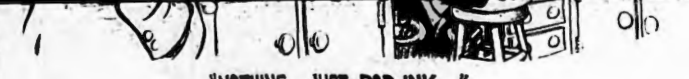
Spelling may be the least vital aspect of communication, but it is never-the-less important. The editors and reporters of the *Avion* feel, which I know as their faculty advisor, that good spelling is comparable to good hygiene. Unfortunate lapses occurred last issue in the editorial and in a few other stories, but I assure the reader that the staff is as aspect about them as anyone. One explanation, though not a justification, is the extreme

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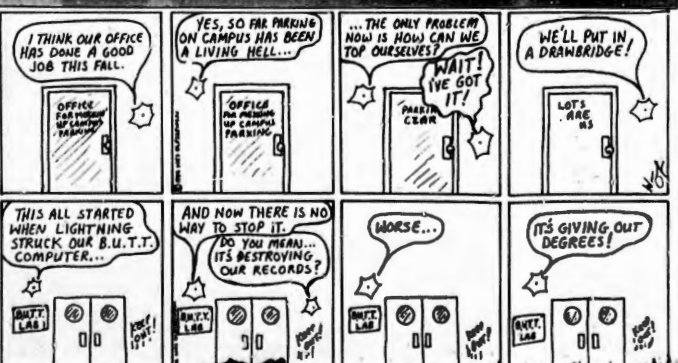
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Mrs. J. W. Hearn

Prof. Roger Osterholm, Ph.D.
Avion Faculty Advisor

Klyde Morris



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1986 the Avion Newspaper

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Mark Stern-Montagny

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This week's staff: Pat Bellport, David Rovka, Thomas Ross, John Gately, Gordon Crago, Steve Cagle, and Tim Van Milligan.

The opinions expressed in this newspaper are those of the majority of the Editorial Board, and do not necessarily represent those of the university, the staff of the Avion, or the members of the student body.

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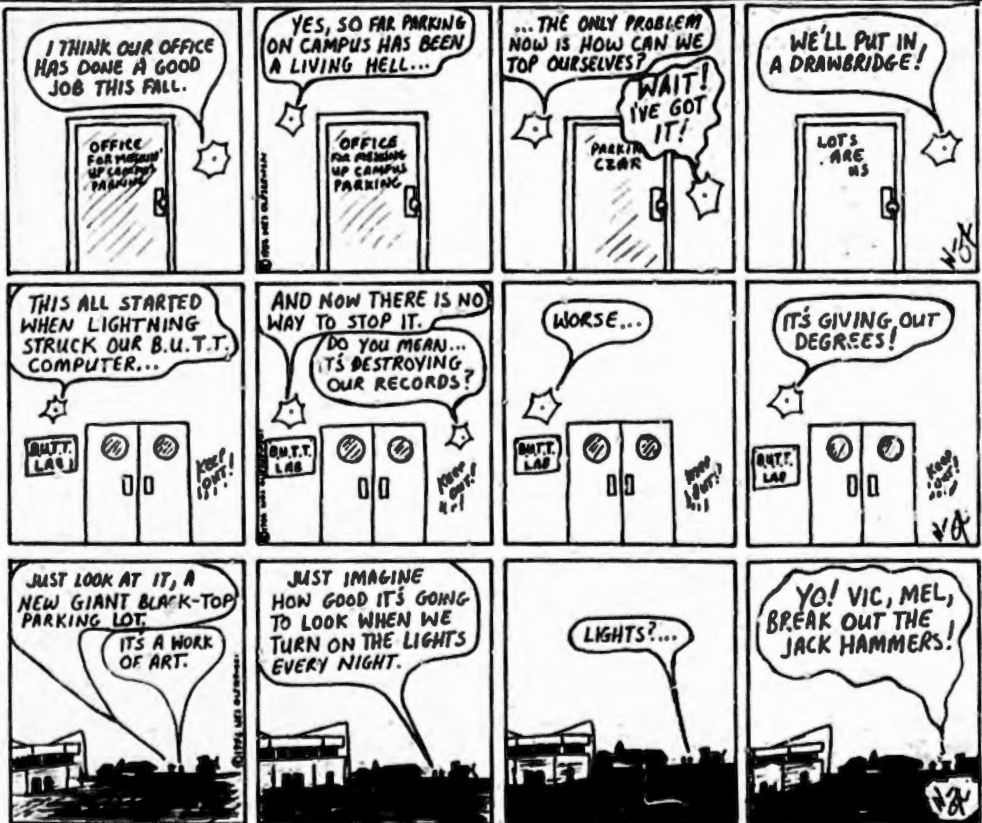
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Editor-In-Chief
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 The Avion Editorial Board members are Mark Stern-Montagny, Bill Fisher, James Banku, Richard Calvert, Brian Nickias, John Getay, Pete Merlin, Rich Clarke, and Miguel Vidal.
 The 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) 252-5561 Ext. 1082

The Avon asks:
Do you think that the newly constructed parking lot will be enough to accommodate the Riddie population?



Keith McFus

"I can't say that it will be enough, but the way they have it now, the traffic might be a problem later."



Graham Thompson

"Yes, I think that the new parking lot will be enough to work, and it looks fine. But, I don't think it is going to be enough. I need the students here at ERAU."



Anne Sartella

"They have done a lot of work, and it looks fine. But, I don't think it is going to be enough."



Richard Berrones

"I think it might be enough, because ERAU should have planned the parking situation so that every student should be able to park, after all the money that has been spent."



Chuck Stern

"I think that the parking lot will be fine. What worries me is the land that they have taken away from us, that we used to use for activities, especially Greek Week."



Wendy Richter

"I think it is going to be enough, but it will still be really hard to find a parking space where you want it. It won't be as convenient as it should be."

BLOOM COUNTY

by Berke Breathed



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C172RG	\$50.00
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Archer II (IFR, AIR, HSI)	\$50.00
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Instrument Course	\$199	Oct 4 & 5	2 day course is taught by professional current (AOPA) instructor

4 WEEK GROUND SCHOOL			
COURSE	COST	DATES	DESCRIPTION
Private Pilot Course	\$165	Sept 16, 18, 25, 29, 30 Oct 2, 7, 9	Every Tuesday & Thursday Evening 7:0 P.M.
Instrument Course	\$185	Sept 15, 17, 22, 24, 29 Oct 1, 6, 8	Every Tuesday & Thursday Evening 7:0 P.M.

VIDEO GROUND SCHOOL			
COURSE	COST	DATES	DESCRIPTION
Private Pilot Course	\$89	7am-9pm 7 Days/wk	King VHS Video Ground Schools
Instrument Course	\$89	7am-9pm 7 Days/wk	King VHS Video Ground Schools
Commercial C.F.I.	\$39	7am-9pm 7 Days/wk	King VHS Video Ground School

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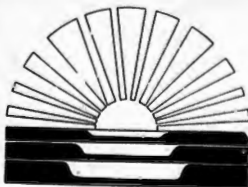
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Jet evades air collision with Cessna

ONTARIO, Calif. (AP) An American Airlines jet narrowly avoided another aircraft about 30 miles east of the spot where an Aeromexico jet collided with a light plane in a crash that killed at least 81 people, officials said.

An American Airlines DC-9, carrying 109 passengers and a crew of six to Dallas-Fort Worth International Airport, was about 10 miles out of Ontario International Airport on Thursday when air traffic controllers warned the pilot about another plane one mile straight ahead. Federal Aviation Administration spokesman Fred Farar said Saturday from Washington, D.C.

The jetliner pilot, who had received permission to climb to 9,000 feet, reported making a climbing right turn as 7,300 feet to miss what appeared to be a single-engine Cessna by 200 feet, Farar said.

The airliner landed safely in Texas without further incident, American Airlines spokesman Joe Stroop said.

The planes were four miles southeast of Norco, 45 miles southeast of downtown Los Angeles.

The area is about 30 miles east of Carrizo, where an Aeromexico plane with 64 people aboard collided Aug. 31 with a light plane with carrying three people. All aboard the planes died, and authorities, who are still identifying remains, have confirmed that 14 people on the ground were killed.



Child Care?

This attraction appeared on the Riddle campus last week. While humorous in this case, many experts believe the "Baby on Board" signs are a hazard when placed in an auto-rear window. This didn't seem to be a major concern to most ERAU students, however.

signs are a hazard when placed in an auto-rear window. This didn't seem to be a major concern to most ERAU students, however.

Drug test results can be misleading Doctors: Exams not always conclusive with findings

CHAPEL HILL, N.C. (AP) Testing urine for traces of drugs aids diagnosis and treatment of drug addiction, but the most common methods of testing often yield misleading results, medical professionals at a weekend drug conference said.

"I think it (body fluids testing) is going to be the most explosive area we're going to talk about in medical technology in the future," Dr. David E. Smith, founder of the Haigh-Ashbury Free Medical Clinic in San Fran-

cisco, said Saturday at the final session of the "Cocaine Connection" conference in Chapel Hill.

Speakers at the conference said mass drug testing also raises legal and moral issues for employers, athletic directors and others mandating the tests as well as physicians.

Dr. Donald R. Jasinski, chief of Center for Chemical Dependence at the Francis Scott Key Medical Center, Johns Hopkins University, helped develop urine

testing methods as a researcher at the U.S. Public Health Service Hospital in Lexington, Ky.

He said many of the medical field worry about the "scientific use" of urine testing.

"Those of us doing the research really were looking at this as a medical tool, a diagnostic tool," he said. "One of the problems which is occurring in our society... is this sudden issue of mass urine testing."

Stern-Montagny assumes Editor's post at the Avion

By J. Miguel Vidal

Mark Stern-Montagny became the new Editor-in-Chief for the ERAU's newspaper, on Oct. 15, 1986.

The former Avion Photo Editor came into office with many new ideas to improve the quality of the publication. "I would like to expand the size and distribute of the Avion, cover more city materials, and keep the students better informed and more addressed," Stern-Montagny said.

Mark Stern-Montagny, age 28, is a resident of Sarasota, Fla. Prior to coming to ERAU, he served for the U.S. Air Force, for four years. While being on the service, Stern-Montagny was a C-141 Stratifier line mechanic.

After he was honorably discharged from the Air Force, Mark came to ERAU, where he has been for the last three and a half years, with the intention of pursuing a degree on Aviation Maintenance Management.

Having a lot of experience in photography, Stern-Montagny plans to combine his experience with his Management degree, until he can get a good Aviation Management job.

While being Editor-in-Chief of the Avion, Stern-Montagny will try to make sure that the students will get a fair shake, through the newspaper, and make it a major project solver tool for the university.

Experimental Voyager grounded

MOJAVE, Calif.

(AP) Technical problems during a seven-hour test flight grounded the Voyager aircraft Sunday, forcing modifications prior to any nonstop, nonrefueled globe-circling voyage.

"We are dealing with the unknown on each flight," pilot Jeana Yeager said Sunday after reviewing problems encountered during Saturday's test flight over the Mojave Desert, 100 miles north of Los Angeles.

A major part of Saturday's test flight was to evaluate new propellers installed on Voyager's two engines last week. Voyager spokesman Peter Riva said the new propellers may improve performance by 3 or 4 percent.

The exact nature of the problems encountered Saturday were undiagnosed. "We're just going

to have to sit down and figure it all out," said flight crew spokesman Dick Card, who said only that "several minor but... critical, technical problems were encountered."

Miss Yeager, 34, and pilot Dick Rutan, 48, remained optimistic despite the setback.

"There's a whole bunch of pitfalls to going around the world and we have run into a few of them," said Rutan. "Everytime we fly this plane there's a brand new challenge and that's how it should be. All we can do is try as hard as we can, never give up."

The Voyager left Edwards Air Force Base early Sunday and landed 30 minutes later, shortly after 9 a.m., at Mojave Airport, Card said.



14 people on the ground were killed. Founders of the Haigh-Ashbury Medical Center, Johns Hopkins Free Medical Clinic in Baltimore, Md.

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"Attitude Adjustment" a popular event Students fill Flight Deck for Comedian/pianist show

by Brigitte Lalah
Avion Staff Reporter

Do you remember when we used to gather at "The Pub" in the U.C. every Friday afternoon for the ritual Happy Hour? There was always a large, rowdy crowd. Some good entertainment was often included to appear. It was perhaps the most awaited moment of the week. Then, without apparent reason, this activity was cancelled. This was disappointing to many.

One reason Happy Hour at the Pub was cancelled was that the drinking age in Florida went up from 19 to 21. Many underage students were allowed to drink freely, and as the enrollment went up, so did their number, which has risen to 50 today, and continues to do so.

In addition, the Pub's Happy Hour represented a liability to the University. With beer being sold at 3 cups for \$1.00 (no limit on amount consumed), and many students below drinking age, the weekly liability forced ERAU's liability too high. Therefore, Happy Hours were removed from the school's curriculum of events.

A new activity, called an "Attitude Adjustment" was introduced, however, last Friday, with the comedian/musician Kier. The Entertainment Committee brought the idea which is similar to the "happy hour" back to the Pub area, (now called the "Flight Deck"), with an OK from the

University. "Beer cannot be the main reason for the gathering, which is ERAU's policy", said Kathy Novak, Director of Student Activities. She added, "It is hoped that this time will be used for students, faculty, and staff to mingle and interact in a friendly atmosphere."

Beer is served at the "back-a-beer" price, only when an activity is planned. If enough students request beer to be served every Friday, the question might be considered.

At Friday's gathering, members of the Entertainment Committee checked I.D.'s and issued an arm-band to legal-aged students.

While five "Attitude Adjustments" were originally scheduled, extensive cutbacks in SGA spending has limited this trimester's number to three.

The two remaining events of this type are scheduled as follows: 9/26 — Electric Zoot Suit, a two-man comedy team, and 11/21 — Carl Rosen, a Billy Joel style piano player who performed at a similar event last Spring here at ERAU.

In addition, the Inter-Fraternity Council has scheduled a band to play on 9/19.

Other entertainment activities scheduled for this Fall are a spy lecture on 10/27, where Peter James tells of his experiences as an ex-spy; a three-comedian show on 11/17, with Ron Darian; the Mary Wong Comedy team; and Edward Jackman — the juggler that holds a bicycle on his nose. There will also be a large concert and a Halloween dance; dates are still unknown.



Friday evening brought many laughs and enjoyable music to the University Center as comedian/pianist as Kier played during the "Attitude Adjustment," sponsored by the SGA's Entertainment Division. The event, which also features the sale of refreshments, allowed students the chance to unwind on a Friday afternoon. The event was one of three this trimester.

Clubs and Organizations Day

The Student Activities Office will sponsor Clubs and Organizations (C&O) Day on Wednesday, Sept. 24, 1986 at the U.C. from 9:00 a.m. to 4:00 p.m. The Clubs will have booths set up along the perimeter of the cafeteria floor to promote their groups.

A list of all chartered clubs will be handed out to interested students. If students obtain information from at least five different clubs, and collect the signatures of the clubs representatives, they will be eligible for give-away prizes. Turn in your completed list to the stage area; you will then receive a ticket to place your name and box number on. If your name is called, you win a prize. You do not need to be present to win. A notice will be sent to your box with instructions on how to claim your prize.

Everyone is welcome to attend and participate in the fun of C&O Day. This is your chance to find out that there's more to ERAU than just classrooms.

NOTICES

Tuition Payment Deadline

All students that have not paid their tuition and fees by 4:00 p.m., Sept. 19, will be subject to a \$100.00 late payment penalty fee. Promissory note signing will begin in the Student Accounting Office from 1:00 to 4:00 p.m. daily starting Sept. 22 and continue until Oct. 9.

Any student who has not paid tuition and has not signed a promissory note by Oct. 9 will be Administratively withdrawn from all Fall 1986 classes.

Students Anticipating Spring '87 Graduation

We suggest that you fill out your Graduation Application for a preliminary graduation evaluation. We will try to process as many as possible prior to Advanced Registration for Spring '87.

Attention December Graduates

If you are interested in running for Senior Class President or Vice President, please schedule an appointment to meet with I. Anne Ratos, Senior Class Advisor, in the Student Activities Office by Friday, Sept. 19, to review the responsibilities of these positions.

We are also accepting names of those volunteers interested in being on the Senior Class Council. This group will organize the class party, secure discount hotels for the guests of December graduates, decide on a class project, etc.

If you have any questions concerning this issue, please stop by the Student Activities Office.

December Graduation applications are being accepted in the Registration and Records Office for those students anticipating degree completion at the end of the Fall trimester. Students are required to fill out the Graduation Applications and the Alumni Association forms no later than Friday, Oct. 10.

Please be advised that no diploma will be ordered if this application form is not processed by the Registration and Records Office. Please remember that registering for GR 401.50 is not the formal application for graduation.

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Everyone is welcome to attend and participate in the fun of C&O Day. This is your chance to find out that there's more to ERAU than just classrooms.

We suggest that you fill out your Graduation Application for a preliminary graduation evaluation. We will try to process as many as possible prior to Advanced Registration for Spring '87.

Association forms available this Friday, Oct. 10. Please be advised that no diploma will be ordered if this application form is not processed by the Registration and Records Office. Please remember that registering for GR 401.50 is not the formal application for graduation.



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Florida grants cycle riders new rights High-occupancy vehicle lanes soon open to cyclists

AMA Press Release
Florida to allow motorcycles on high-occupancy vehicle lanes

The Florida Department of Transportation has informed the American Motorcyclists Association (AMA) that high-occupancy vehicle lanes (HOVs) in the state will be open to motorcycle traffic within several weeks. News of the decision came in a written response to an earlier request by

the AMA Government Relations Department for Florida to abide by the Surface Transportation Assistance Act (STAA) of 1982. The STAA instructed states to allow motorcycles use of HOVs in the absence of factors compromising safety.

In his letter to the AMA, Florida Department of Transportation official William F. Ventry accorded that Florida should open the lanes to be in compliance with

the STAA. He wrote, "This change will require a revision to existing traffic regulations, and notification of enforcement agencies and local government entities affected. Florida statutes require at least a 14 day notice to local governments." He added that the notification process would begin a few days of his Aug. 25 communication. The Florida HOVs should be ready for motorcyclists in the middle of September.



Brian Mosdell captain of the Daytona Beach soccer team makes a good effort to control the ball in a close game, but was still unable to bring his team to victory.

September Sports

Sport	Sign-ups	Deadlines	Starts
Table Tennis	NOW	Tues., Sept. 18th	Fri., Sept. 19th
Tennis	NOW	Tues., Sept. 16th	Fri., Sept. 19th
Flag Football	NOW	Mon., Sept. 15th	Sun., Sept. 21st
3 on 3 Basketball	NOW	Mon., Sept. 22nd	Tues., Sept. 30th
Volleyball	NOW	Tues., Sept. 23rd	Thurs., Oct. 2nd
Racquetball	NOW	Tues., Sept. 23rd	Fri., Sept. 28th



Signals Crossed...
Students could be left to wonder as construction continues on the Riddle campus. This may reflect the traffic situation.

"C" students can get "A's" in classes FSU professor: Students do better knowing expectations in advance

TALLAHASSEE, Fla. (AP) — "Mastery-based" classes at Florida State University have led a professor to conclude that students perform better when they know ahead of time what is expected of them.

"When students believe they can get the minimum score required for an 'A,' they are more likely to work hard," said Nancy P. Driscoll. "This extra effort means they are more likely to do better."

Driscoll conducts the "mastery-based" classes in which students are told what they are expected to learn and are allowed to take exams more than once.

She said the overall averages in her mastery-based classes were higher than in her traditional classes in the Department of Educational Research. The mastery-based class average was expected to learn and are allowed to take exams more than once.

Driscoll said that when she lowered the minimum score for

an "A" from 90 percent to 80 percent, she found that students worked harder and exceeded individual expectations.

"Students typically work for the grade they think they can get," she said. "You may have someone saying, 'I'm only a 'C' student. I could never do the work required for an 'A.'"

"I am kind of negative thinking can limit what a person actually achieves," Driscoll said.

"We're trying to build self-confidence and encourage hard work by giving students experience with success in the classroom."

Driscoll studied juniors and seniors in her course, Classroom Applications of Educational Psychology, which is required for teacher certification in Florida. Among the subjects taught in the course is setting grading standards for maximum performance.

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SPACE TECHNOLOGY

Unmanned spacecraft will feature economy, flexibility

NASA's new generation of low-cost interplanetary explorers will utilize existing hardware and technology

By Peter W. Merlin

Several new types of unmanned spacecraft are under development by NASA for deep space exploration. This new generation of low-cost probes will feature economy and design flexibility and will accomplish their tasks at a fraction of the cost of previous missions.

Caltech's Jet Propulsion Laboratory is managing a mission to study the surface, atmosphere and climate of the planet Mars. The Mars Observer is the first in a series of low-cost

missions to explore the inner solar system.

All of the Planetary Observers will use existing spacecraft designs and technology to carry out focused investigations at minimum cost. Such missions could return data on Mars, the Moon, near Earth asteroids, and Venus.

Mars Observer will follow up on the early Mariner Mars missions of the 1960's and 1970's and the Viking missions of the late 1970's. Scientists hope to gain new clues regarding the red planet's past. By conducting

new studies of Mars' geology and climate, scientists will attempt to determine the role that water, now scarce, once played on the planet.

Data from the spacecraft may also help explain why the three atmosphere-laden planets of the inner solar system — Venus, Earth, and Mars — have developed such drastically different climates.

Mars Observer was originally scheduled for launch aboard a Space Shuttle in August 1990. The spacecraft would be released from the Shuttle's cargo bay and boosted into a Mars trajectory by a Transfer Orbit Stage developed by Orbital Sciences Corporation in Vienna, Virginia.

After a year long cruise, the spacecraft will arrive at Mars and enter a low altitude, sun-synchronous polar orbit. As it circles the planet from north to south, the craft will be able to thoroughly map the Martian surface. The mission will last for one Martian year, or nearly two Earth years. This will allow the spacecraft to study changes in the planet's atmosphere and surface throughout the seasons.

Mission costs for design, development, and fabrication will be minimized by using existing, production-line spacecraft originally designed as Earth-

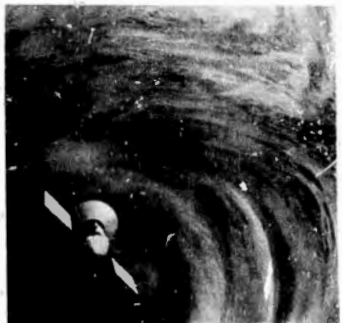
orbiting communication or weather satellites.

The spacecraft will undergo modification and the addition of scientific instruments to transform the Earth orbiter into an interplanetary probe for scientific investigations at bodies in the inner solar system.

Mars Observer will be built by RCA Astro-Electronics Division in Princeton, New Jersey. The spacecraft is based on the design of RCA's SATCOM K communications satellite. It uses proven electronic subsystem designs from the Television Infrared Observation Satellite (TIROS) and Defense Meteorological Satellite Program (DMSP) series of weather satellites. Budget for the mission is \$212 million.

Another low-cost scientific mission planned by NASA is Magellan. Previously known as the Venus Radar Mapper, Magellan will use imaging synthetic aperture radar to pierce through the thick clouds of Venus' atmosphere and obtain detailed images of the planet's surface.

In less than a year of orbiting, Magellan will cover about 90 percent of the planet. Mission planners decided to obtain full coverage of the northern hemisphere because of the large



Magellan Venus Radar Mapper will use imaging radar to see through the planet's thick cloud cover. The craft will map the surface topography of Venus while orbiting for 243 days.

number of significant geological features on the continent of Venus. Magellan is being assembled from spare parts from the Viking, Voyager, and Galileo spacecraft. New digital processing techniques for compressing

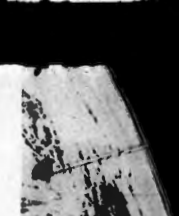
See PROBS, page 12



Mars Observer will be converted from existing communications satellite design. First in the Planetary Observer family, it will study the seasonal climatology of the planet Mars.

Loss cripples U.S. military space program

Norman Black Associated Press



Mars Observer will be converted from existing communications satellite design. First in the Planetary Observer family, it will study the seasonal climatology of the planet Mars.

Loss cripples U.S. military space program

Norman Black Associated Press

WASHINGTON — From spy satellites to "Star Wars," the loss of the shuttle Challenger temporarily crippled military space programs. It also wrought an expensive new approach to space at the Pentagon.

Never again will the Department of Defense put its eggs in one basket.

The military must have the shuttle, says Air Force Secretary Edward C. Aldridge Jr., but placing great reliance on the orbiter was "a major mistake for this country and we're paying the price now."

Gene are the days of a seemingly foolproof shuttle, available to the Pentagon for secret missions along with its more familiar work as a space truck hauling commercial payloads into orbit. "We cannot afford to rely on a single launch system for launching our very critical satellites," Aldridge said recently. "The Expendable Launch Vehicles (rockets) are going to be the workhorse from now on for DoD."

Ironically, as the Pentagon moves to break its reliance on the shuttle, the military's role in the future of the spacecraft is in jeopardy. Since the Challenger's loss, the National Aeronautics and Space Administration has turned over four key jobs to military officers.

The Defense Department is likely to monopolize the first few years of resumed shuttle flights; two of the first three flights have already been set aside for the military. In fact, some administration officials credit the Pentagon with helping to persuade President Reagan to replace the Challenger while restricting the access of commu-



Titan III series of unmanned launch vehicles is used to loft Department of Defense payloads into earth orbit. The larger Titan IV will be able to carry the KH-12 photo satellite.

from the ground up to fly on either the shuttle or one of the new rockets.

— By simple good luck, the nation's defense satellite system was healthy when the Challenger exploded Jan. 28, according to

According to Air-Dir, the

"The expendable launch vehicles are going to be the workhorse from now on for DoD."

spacecraft will arrive at Mars and enter a low altitude, sun-synchronous polar orbit. As it circles the planet from north to south, the craft will be able to thoroughly map the Martian surface. The mission will last for one Martian year, or nearly two Earth years. This will allow the spacecraft to study changes in the planet's atmosphere and surface throughout the seasons.

Mission costs for design, development, and fabrication will be minimized by using existing, production-line spacecraft originally designed as Earth-

orbiting communication or weather satellites.

The spacecraft will undergo modification and the addition of scientific instruments to transform the Earth orbiter into an interplanetary probe for scientific investigations at bodies in the inner solar system.

Mars Observer will be built by RCA Astro-Electronics Division in Princeton, New Jersey. The spacecraft is based on the design of RCA's SATCOM K communications satellite. It uses proven electronic subsystem designs from the Television Infrared Observation Satellite (TIROS) and Defense Meteorological Satellite Program (DMSP) series of weather satellites. Budget for the mission is \$212 million.

Another low-cost scientific mission planned by NASA is Magellan. Previously known as the Venus Radar Mapper, Magellan will use imaging synthetic aperture radar to pierce through the thick clouds of Venus' atmosphere and obtain detailed images of the planet's surface.

In less than a year of orbiting, Magellan will cover about 90 percent of the planet. Mission planners decided to obtain full coverage of the northern hemisphere because of the large

number of significant geological features on the continent of Venus. Magellan is being assembled from spare parts from the Viking, Voyager, and Galileo spacecraft. New digital processing techniques for compressing

See PROBS, page 12

some of those satellites awaiting launch can only be boosted into orbit by the shuttle. Air Force and Pentagon officials decline to discuss the matter publicly, but sources suggest one such payload is the KH-12 — the nation's newest photo spy satellite.

The United States has at least one of the predecessor KH-11 satellites still in orbit and functioning, and perhaps at least one more that could be launched with a Titan IV 1988, however, the Pentagon could face a serious problem maintaining the photo reconnaissance that monitors Soviet military movements and arms control compliance.

The shutdown for repair of the shuttle, has forced the plan to launch the KH-12 satellite in California to be placed in "caretaker status" until 1992, when Challenger's replacement is due to be ready. The mothballing will eliminate up to 1,000 jobs.

Aldridge maintains the United States must eventually have a space-based photo reconnaissance system. The safety requirement that shuttles be launched over water rather than land prevents the construction of a permanent launch facility in polar orbit when launched from Cape Canaveral, Fla.

President Reagan's Star Wars program, known formally as the Strategic Defense Initiative, has also been hurt. Some Air Force experiments had been scheduled to be carried off from Vandenberg this summer. More extensive Star Wars work using the shuttle was scheduled to begin next year.

Col. George Hess, the director of survivability, lethality and key technologies for Star Wars, says the Pentagon has a "serious problem" in carrying out the program.

Manneheimer said the revised plan for Galileo is to use three-stage solid rockets to send it toward Jupiter. It will ship around Venus, speeded up by that planet's gravity, and then streak back toward Earth where it will pick up another gravitational slingshot boost. This will give it enough velocity to launch to Jupiter. An arc around Jupiter will add the needed speed to send Ulysses into a polar orbit of the sun. It would arrive there in the late 1990s, more than six years later than planned.

In order to launch the two spacecraft in this decade, Manneheimer said booster rockets now built for other spacecraft will have to be "borrowed" from the Air Force and from other NASA programs. Otherwise, he said, the planetary explorers would have

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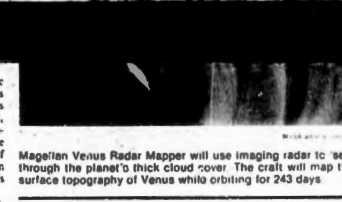
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Shadow of uncertainty



Magellan Venus Radar Mapper will use imaging radar to see through the planet's thick cloud cover. The craft will map the surface topography of Venus while orbiting for 243 days.

Shadow of uncertainty

By Paul Rezer Associated Press

SPACEX CENTER, Houston — The space shuttle Challenger accident has grounded research projects worth more than \$2 billion and cast a shadow of uncertainty across major NASA planetary and astronomical missions planned for this decade.

Spacecraft to study Venus, Jupiter and the sun were built to be launched on the shuttle this year or next, and now are waiting for shuttle flights to resume, or for engineers to develop other ways to send them to deep space.

The \$1 billion Hubble space telescope, once planned to be in orbit this month, now waits in a laboratory like warehouse for launch in 1989 or 1990. Extensive ground maintenance during the delay costs the National Aeronautics and Space Administration \$4 million a month.

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WASHINGTON — From spy satellites to "Star Wars," the loss of the shuttle *Challenger* temporarily crippled military space programs. It also wrought an expensive a new approach to space at the Pentagon.

Never again will the Department of Defense put its eggs in one basket.

The military must have the shuttle, says Air Force Secretary Edward C. Aldridge Jr., but placing great reliance on the orbiter was "a major mistake for this country and we're paying the price now."

Gone are the days of a seemingly foolproof shuttle, available to the Pentagon for secret missions along with its more familiar work as a space truck hauling commercial payloads into orbit.

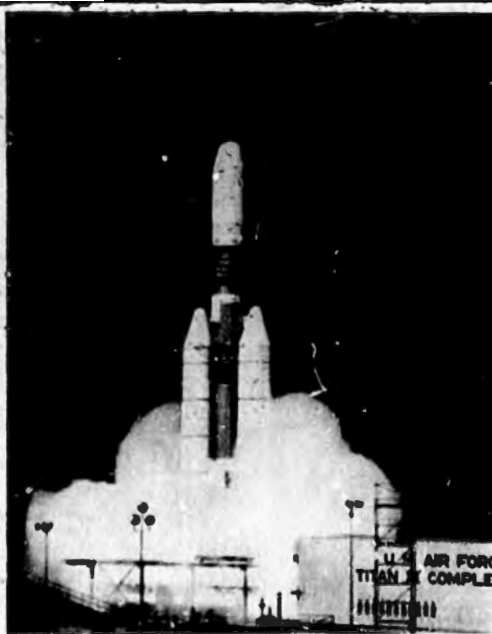
"We cannot afford to rely on a single launch system for launching our very critical satellites," Aldridge said recently. "The Expendable Launch Vehicles (rockets) are going to be the workhorse from now on for DoD."

Ironically, as the Pentagon moves to break its reliance on the shuttle, the military's role in the future of the spaceplane is increasing. Since the *Challenger's* loss, the National Aeronautics and Space Administration has turned over four key jobs to military officers.

The Defense Department is likely to monopolize the first few years of resumed shuttle flights; two of the first three flights have already been set aside for the military. In fact, some administration officials credit the Pentagon with helping to persuade President Reagan to replace the *Challenger* while restricting the access of commercial firms to the shuttle in the future.

But the military ramifications of relying solely on the shuttle have been far-reaching:

— To recover, the Pentagon now plans to spend \$2.6 billion over the next five years. Assuming Congress goes along, that money will finance design and production of two new generations of unmanned rockets. Critical satellites will be designed



Titan III series of unmanned launch vehicles is used to loft Department of Defense payloads into earth orbit. The larger Titan IV will be able to carry the KH-12 photo satellite.

from the ground up to fly on either the shuttle or one of the new rockets.

— By simple good luck, the nation's defense satellite system was healthy when the *Challenger* exploded Jan. 28, according to

The *Challenger's* loss, and the unrelated grounding of the Titan rocket following two losses over the past year, is producing a backlog of national security payloads that will take years to overcome.

According to Aldridge, the

"The expendable launch vehicles are going to be the workhorse from now on for DoD"

—Air Force Secretary Edward C. Aldridge Jr.

Gen. Larry D. Welch, the Air Force's chief of staff.

"The timing was not nearly so bad as it could have been," says Welch. "We were pretty lucky."

Nonetheless, every month the shuttles stay grounded, the picture worsens.

Pentagon will have 21 payloads "sitting on the ground waiting to fly" in early 1988, when the shuttles are supposed to resume operation. The backlog will grow to as many as 30 satellites before it starts dropping, he adds.

— While details are sketchy,

some of those satellites awaiting launch can only be boosted into orbit by the shuttle. Air Force and Pentagon officials decline to discuss the matter publicly, but sources suggest one such payload is the KH-12 — the nation's newest photo spy satellite.

The United States has at least one of the predecessor KH-11 satellites still in orbit and functioning, and perhaps at least one more that could be launched with a Titan. By 1988, however, the Pentagon could face a serious problem maintaining the photo reconnaissance that monitors Soviet military movements and arms control compliance.

— The stand-down for repair of the shuttles has forced the planned, \$3 billion military spaceport at the Vandenberg Air Force Base in California to be placed in "caretaker status" until 1992, when *Challenger's* replacement is due to be ready. The mothballing will eliminate up to 1,000 jobs.

Aldridge maintains the United States must eventually activate Vandenberg so that shuttles can place spy satellites in polar orbit, the only one that gives them a vantage point on the entire globe. The safety requirement that shuttles be launched over water rather than land prevents the spaceplanes from putting payloads in polar orbit when launched from Cape Canaveral, Fla.

— President Reagan's Star Wars program, known formally as the Strategic Defense Initiative, has also been hurt. Some Air Force experiments had been scheduled to be carried aloft from Vandenberg this summer. More extensive Star Wars work using the shuttle was scheduled to begin next year.

Col. George Hess, the director of survivability, lethality and key technologies for Star Wars, says the Pentagon is now reviewing its experiments to determine if some can be performed with unmanned rockets. Much of the research, however, can only be performed by men in space. In the long run, assuming shuttle flights resume in 1988, Hess says the research program shouldn't be set back too greatly.

"But everyone is suffering from a lack of shuttle availability," he adds.

cast on planetary, astronomical studies

By Paul Rezer
Associated Press

SPACE CENTER, Houston

— The space shuttle *Challenger* accident has grounded research projects worth more than \$2 billion and cast a shadow of uncertainty across major NASA planetary and astronomical studies planned for this decade.

Spacecraft to study Venus, Jupiter and the sun were built to be launched on the shuttle this year or next, and now are waiting for shuttle flights to resume, or for engineers to develop other ways to send them to deep space.

The \$1 billion Hubble space telescope, once planned to be in orbit this month, now waits in a laboratory-like warehouse for launch in 1988 or 1989. Extensive ground maintenance during the delay costs the National Aeronautics and Space Administration \$4 million a month.

In May, the shuttle was to have launched Galileo and Ulysses spacecraft on unprecedented explorations of Jupiter and the sun. Galileo was to orbit Jupiter dropping probes to study the massive planet and its moons.

Ulysses, built by the European Space Agency with NASA instruments, was to pass Jupiter for a gravitational boost and then streak into the first polar orbit of the sun.

Both spacecraft were to have been placed into low Earth orbit by the shuttle and then boosted outward by a liquid-fuel Centaur rocket, carried aloft in the shuttle cargo bay.

The *Challenger* disaster spawned a wave of caution in which NASA canceled the over-budget, \$1 billion Centaur program rather than put a volatile rocket inside the shuttle.

"I don't believe the Centaur would have been canceled if it hadn't been for the *Challenger* tragedy," says Harry Mannheim, the Galileo and Ulysses

program manager. "The cancellation was related to the agency's added emphasis on safety."

Without Centaur, both Galileo and Ulysses will require some other booster to be sent to deep space.

Mannheimer said the revised plan for Galileo is to use three-stage solid rockets to send it toward Jupiter. If the new 1989 launch date is met, the spacecraft will arrive at Jupiter in 1993, three years later than expected.

Alternate plans for Ulysses are more complicated. Mannheim said engineers now believe it will require a two-stage booster and complex orbital mechanics.

Plans call for the Ulysses to be launched in 1989 from Earth orbit toward Venus. It will whip around Venus, speeded up by that planet's gravity, and then streak back toward Earth where it will pick up another gravitational slingshot boost. This will give it enough velocity to cruise to Jupiter. An arc around Jupiter will add the needed speed to send Ulysses into a polar orbit of the sun. It would arrive there in the late 1990s, more than six years later than planned.

In order to launch the two spacecraft in this decade, Mannheim said booster rockets now built for other spacecraft will have to be "borrowed" from the Air Force and from other NASA programs. Otherwise, he said, the planetary explorers would have to wait until more rockets are made, which would mean an additional delay of almost four years.

"These are very, very tentative plans," said Mannheim. "There is a lot of uncertainty here."

There's a lot of uncertainty, too, in the launch of the Hubble

Orbital Inclinations



Escape capsule would save lives

By Peter W. Merlin
Space Technology Editor

Since the *Challenger* accident on January 28, there has been much talk about adding an astronaut escape system which could be used during the ascent phase of the flight.

Early Shuttle test flights carried ejection seats for the two pressure-suited crewmembers. After the seats were removed, the suits were abandoned and crews switched to a shirt-sleeve environment. A catastrophic launch disaster of the type experienced during Mission 51-L was considered un survivable.

The accident which claimed the lives of seven astronauts need not have been fatal. Studies have shown that *Challenger's* crew cabin separated intact from the vehicle as it broke up. The characteristics that allowed the cabin to survive the disintegration of the orbiter make it an ideal escape module. With the addition of a parachute and air cushion/flotation system the cabin could safely splash down in the ocean in the event of disaster. With crews of as many as seven people on a Shuttle mission, this would certainly be the most sensible escape system to incorporate into the Shuttle's design. The basic principle and systems have already been proven operationally in such aircraft as the F-111 and B-1A.

The Space Shuttle is the first manned spacecraft to fly without a crew escape system. If this system was omitted because of the weight penalty incurred, then perhaps a review of crew priorities is in order. What is the cost of a few commercial payloads compared to seven, or two, human lives.

It would also appear, from recent reports, that *Challenger's* crew survived the forces of the initial break-up. If the cabin remained pressurized, it is possible that *Challenger's* crew was alive and conscious until impact in the ocean. Gruesome as this thought may be, it speaks well for the cabin's construction.

Very well then. If the cabin is structurally sound and the break-up forces are survivable, what else is left? Explosive decompression.

Even if the cabin is turned into an escape capsule the astronaut crew could not survive a loss of cabin pressure unless there is a return to the wearing of pressure suits on ascent.

The Space Shuttle is an incredible feat of engineering which has proven its worth time and time again. We need the Shuttle, but we should always remember that crew safety comes first. All other priorities are secondary.

PROBES

(continued from page 11)

The large volume of data returned by the radar will also result in significant cost savings for the mission.

Magellan was scheduled for launch on the Space Shuttle using a Centaur upper stage. The Shuttle-Centaur program was recently cancelled due to the use of dangerous hypergolic fuels.

Radar images of Venus will be used to study topographical features as small as one kilometer across. Recent studies indicate that Venus, where average surface temperature is 470 degrees Celsius (900 F), may have once had oceans of water. Studies Venus's gravity over three-quarters of the planet will also be performed to determine its internal density distribution.

The Mariner Mark II series of interplanetary spacecraft will study objects in the solar system at a fraction of the cost of their predecessors, the Mariner and Voyager probes.

Mariner Mark II will feature design flexibility. The craft could

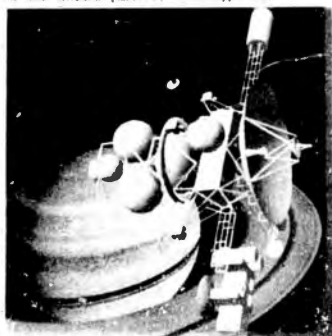
be easily reconfigured to accommodate scientific instruments for a variety of missions to planets, asteroids, and comets. Reduced costs for redesigning, retesting, and flight qualification would be some of the benefits of reconfigurable spacecraft.

The spacecraft is being designed to perform high quality measurements and carry at most three probes to the inner planets. The duration of a Mariner Mark II mission could range up to eleven years, which would capture important orbital and planetary changes.

Missions envisioned for the new family of spacecraft include a comet rendezvous and study, a Mars rendezvous with a possible sample return, Asteroid rendezvous and flyby missions, and also under consideration, a mission to Saturn may feature atmospheric probes to Saturn's largest moon, Titan, and a Saturn orbital mission to map Titan in infrared and radio wavelengths during repeated flybys.

The Mariner Mark II spacecraft would be designed primarily for the study of minor bodies and planets of the outer solar system. The capabilities pro-

vided by such a craft, however, could be applied to the study of the inner terrestrial planets as well. Mariner Mark II would be launched from a Shuttle using an Inertial Upper Stage.



Mariner Mark II spacecraft will feature design flexibility. Designed primarily to probe the outer planets, the spacecraft could be reconfigured for missions to inner solar system.

GROUNDLED

(continued from page 11)

space telescope, which scientists believe will probe more than ten times farther into the universe than any previous astronomy observatory.

"The Hubble telescope is the No. 1 NASA payload in line when the shuttle starts flying again," said NASA spokesman Leon Perry.

The instrument was once planned for an August 1986 launch, but Perry said it will probably be put into space in 1988 or 1989. "We simply don't have a launch date now."

Until a date is set, the sensitive instrument will be constantly monitored and tested by 400 staff of Lockheed technicians and Perry.

Another planetary probe Magellan, also has been delayed. The craft was to be launched in April 1988 into an orbit of Venus where it would use radar to map that cloud-shrouded planet. Magellan also depends on the shuttle; Perry said no new launch date has been set.

A bright spot for NASA science will come next year when Voyager II completes its tour of

the outer solar system.

From there, Voyager II will break out of the solar system and out of radio range.

NASA scientists then must wait until the shuttle flies again before they can launch the mission.



Galileo will orbit Jupiter and send probes into its atmosphere.

YOUR FUTURE DEPENDS

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The Leading Edge

By Brian Nicliss
Aeronautics Editor

Editorials have not been a regular feature of the Aeronautics section of the *Avion*, but the turbulent nature of the industry insures that they will appear from time to time.

The aim of Aeronautics is to cover stories that no one else has covered and give them a slant towards the Embry-Riddle student that most publications overlook. We do this even though our critics suggest that the paper does not feature enough sports and the like and overdoes coverage of aerospace events.

It is our, the Aeronautics staff, opinion that by informing you of trends and events in the aviation industry — what your future employers are doing — you will be more marketable *not to mention* present a better image of the Embry-Riddle graduate to aeronautical/aerospace big-wigs.

The Aeronautics staff is open to comments and suggestions on the format and content of this section. We welcome thoughts from others outside the *Avion-Aeronautics* staff.

If your contacts are deeper in one aspect of aviation than the *Avion's*, come by and give us the word; your contributions are always welcome.

If you have an idea, or ideas, that need an appropriate sounding board, such as *The Leading Edge*, let us know. Also, if you have a creative side, your presence on our staff would be appreciated.

Those that work on Aeronautics believe that a person knowledgeable not only of aviation's present but of its past and future as well, is someone able of leading us towards the always amazing future.

NIFA Beech winners complete training

Embry-Riddle graduates hold half the flight awards presented

Beech Aircraft Corporation

WICHITA, KAN. — Four "special" students, winners of National Intercollegiate Flying Association (NIFA)/Beech Aircraft Corporation scholarships, recently completed the King Air C90A Pilot Training Course at the Beechcraft Training Center in Wichita.

The four, all recent college graduates, included Sharon S. Byrd of Houston, Tex. and Embry-Riddle Aeronautical University - Daytona Beach; Geoffrey M. Foster of Evans, Ga. and Southern Illinois University - Carbondale; Robert A. Geisler of Bloomington, Minn. and the University of North Dakota; and Robert C. Brod, Jr. of Wallingford, Pa. and Embry-Riddle Aeronautical University - Daytona Beach.

During the six-day "Flagship Course," the students received classroom instruction combined with individual training using state-of-the-art interactive video systems, cockpit procedures trainers, and Beech's new Cockpit Systems Simulator.

A familiarization flight in a King Air C90A high-jetted the week's training program.

"Our objective was to promote the value of continuing training to the people who are tomorrow's aviation leaders," said Frank Mitchell, manager — Marketing Training, "by exposing them to some of the state-of-the-art training techniques that are available to pilots today."

To be eligible for the scholarship, valued at approximately \$6,000, the graduates had to demonstrate above average scholastic potential and active in extra-curricular activities at their school.

Each candidate also had to

possess a commercial certificate with instrument and multi-engine ratings at the time of application.

Applicants were evaluated by a committee chaired by Bruce Hoover of Oklahoma State University. Beechcraft Training Center staff were also on the selection committee. Winners were announced in April at the "1986 NIFA SAFECON (Safety and Flight Evaluations contest)" flying meet held in Waco, TX.

The scholarship winners also toured Beech Aircraft facilities and met Beech corporate executives during their stay in Wichita.

The King Air C90A Training Course is one of eight "Flagship Courses" offered by the Beechcraft Training Center.

The "Flagship" program is "... a system of computer managed instruction adjusted to the needs of each individual pilot," Mitchell said.

"All training is self-paced, with a variety of information review built into each course."

Flagship training is conducted in classroom lectures; at Interactive Video Stations (IVS), where students are required to literally "touch" correct areas of a video screen in order for the lesson to

advance; in Cockpit Procedures Trainers ("CPT"), static training aids which allow students to rehearse ground and flight procedures conveniently and at minimal cost; and in Beech's new Cockpit Systems Simulators, which are full-scale replicas of various cockpits, engineered for accurate aerodynamic and system response.

Both initial and recurrent training is available through the program. Beech Aircraft Corporation is a Subsidiary of Raytheon Company.



Beech Aircraft photo
Four National Intercollegiate Flying Association (NIFA) / Beech Aircraft Corporation scholarship winners recently completed the King Air C90A Pilot Training Course at Beechcraft in Wichita. Back row, from left, are George Rodgers, VP-Sales and Marketing, King Air C90A Pilot Training Course at Beechcraft in Wichita; Sharon Byrd (Embry-Riddle); and Frank Mitchell, mgr-Marketing Training, Beech.

YEARBOOK

YOUR OWN

leading us towards the always amazing future. Each candidate also had to scholarship winners recently completed the King Air C90A Pilot Training Course at Beech Aircraft Corporation in Wichita. Back row, from left, are George Rodgers, VP-Sales and Marketing, King Air C90A Pilot Training Course at Beech Aircraft Corporation in Wichita; Sharon Byrd (Embry-Riddle); and Frank Mitchell, mgr-Marketing Training, Beech.

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EAA fights against 'Age 60 Rule'

Association head opposes FAA's 'archaic remnant of the past'

Experimental Aircraft Association

OSHKOSH, WISC. — EAA founder and President Paul H. Poberezny has voiced his organization's strong support for airline Captain Melvin M. Aman's petition to the Federal Aviation Administration (FAA) for exemption to the Age 60 Rule currently in effect.

The rule, which requires airline pilots to retire at age 60, is unjustifiable an unnecessary, according to Poberezny.

"Forcing an airline pilot to retire as he reaches his peak earning years is terribly unjustified if that retirement is based solely on an arbitrarily selected age," Poberezny emphasized. "Even the National Institute of Health has reported — during testimony before the House Select Committee on Aging — that

there is no basis for grounding a pilot just because of his or her age. One of the key witnesses at that hearing was EAA member Chuck Yeager, who told the committee that 'if a person passes the medical test, there is no reason that he or she cannot fly.' It is time for the FAA to revise this rule and keep pace with the tremendous advances that have been made in the field of medicine in the past two decades."

In addition, Poberezny voiced concern over the possibility of extending the age 60 rule beyond airline pilots.

"In the FAA's continuing efforts to control that vast ocean of air above us, we might anticipate an extension of the age 60 rule to include commercial and perhaps even private pilots at some time in the future," Poberezny said. "This represents a real threat to the careers

and aviation activities of all pilots in both commercial and general aviation. Be aware. The thought is there."

In determining its position on the age 60 rule, the EAA took into consideration the findings of a panel of nationally recognized medical / neuropsychological experts who evaluated the "Age 60 Exemption Protocol" for use in evaluating airline pilots over 60 years of age. The panel stated: "From a medical / psychologic / operational standpoint, the medical community has the capability of evaluating pilots over 60 years of age on an individual basis. New information, techniques, lifestyle changes and understanding of the aging process as separate and distinct from disease indicate that there are many airline pilots who are well qualified to continue their productive careers beyond the arbitrary

age of 60."

"In light of modern medical science, many experts view the age 60 rule as an archaic remnant of the past," Poberezny said. EAA sincerely hopes that the FAA and the Department of Transportation will carefully consider the petition of Captain Aman and 38 other senior airline pilots for exemption from the age 60 rule. We firmly believe that pilots, like all other Americans, should be evaluated based upon their ability rather than their age. This petition provides the FAA with an opportunity to be responsive to the needs of individual pilots and to take advantage of recent medical advances while promoting and maintaining aviation safety."

Medications

(continued from page 1)

There are also services available in the community such as "ACT," which provides emergency services for those suffering a life crisis. They can be reached at 255-6538 and counselors are available twenty-four hours a day.

"Assure," which is a service of the Mental Health Association of Volusia County provides help for those who have lost a friend or loved one to suicide. The director of this service, Rita Repp, can be reached at 552-5785 or in case of an emergency after hours at 756-3198.

Lynne Evans of the Counseling Center urges students who feel that they have a problem to seek help. She reminds students that University counseling services are confidential and will not appear on any record from the University.

Tax

(continued from page 1)

At private colleges, "tuition rates and overhead usually are higher than at public schools," Horton says. "This measure will force that gap to increase, making it increasingly difficult for universities to be truly competitive with public universities."

But the law also will hurt colleges that don't care about tax exempt bonds. A reform provision to change the ways donors figure the tax they owe on the things they give to colleges could cost higher education as much as \$2.1 billion annually in charitable receipts.

QUESTION #2

HOW CAN THE BUDGET-CONSCIOUS COLLEGE STUDENT SAVE MONEY?

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- b) Don't buy textbooks when "Monarch Notes" will do just fine.
- c) Save 40% off AT&T's weekday rate on out-of-state calls during evenings.

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new movies



'Crocodile' Dundee stars Paul Hogan and Linda Kozlowski

'Crocodile' Dundee

starring Paul Hogan, Linda Kozlowski and Mark Blum
 Rated PG-13
 WDIZ sneak preview Thursday September 25
 Release date September 26

Michael J. "Crocodile" Dundee (Paul Hogan) is a friendly and rowdy crocodile hunter from the wilds of Australia's Northern Territory. An expert with animals, Mick Dundee receives national attention when his leg is almost ripped off on an expedition. Joining up with him is Wally "Call me Walter!" Reilly. Together, they run Never Never Safaris out of walkabout creek. Their motto: "Never go without us...if you do, you'll never come back!"

Dundee is enticed by Sue Charlton (Linda Kozlowski), a New York reporter, to travel with her to New York to add to her story. Arriving in Manhattan, Mick, who has never seen more than forty people in one place, explores a world unlike any he has seen before.

Children of a Lesser God

starring William Hurt, Marlee Matlin and Piper Laurie
 Rated R
 Releasing date October 3

This unusual love story stars William Hurt as James Leeds, an unorthodox teacher whose new assignment at a remote school for the deaf involves him in a very complicated affair with a beautiful, angry woman, Marlee Matlin, who is hearing-impaired, makes her film debut as the proud Sarah Norman. The film is based on the Tony award-winning stage play by Mark Medoff.



The Moody Blues will perform October 1 at the Daytona Beach Ocean Center.

21
 Elton John
 Mondays, Tampa

22

23

17

18

19
 Jazzfest '86
 * Bands: Nighthawk & Mellow
 * Music: McPherson
 * Club: Club, Clubhouse

20
 Jazzfest '86
 * S.C. Aug. Super
 * Club: Phoenix
 * Music: McPherson
 * Club: Clubhouse

24

25

26

27
 Moody Blues
 * R. 8:00
 * Music: Phoenix

avion on the road



By Tim Markwald

On September 27, at Atlanta's Omni, Bon Jovi will be performing with 38 Special to an already sold-out audience. This is mid-through Bon Jovi's first 1986 U.S. tour. After touring for six weeks with 38 Special, the group will travel to Europe and return to the U.S. in mid-November to begin their second 1986 tour, this time as the main attraction.

The Avion will interview and spend two days with the group in Atlanta prior to their departure; to the next concert location, Birmingham, Alabama.

Bon Jovi's newest release, *Slippery When Wet*, and the single release "You Give Love a Bad Name" is now situated at number one on the MTV request line and will undoubtedly move into the Top Twenty within a week.

MTV Top Twenty

1. Steve Winwood
2. 38 Special
3. Run DMC
4. Bananarama
5. Huey Lewis and The News
6. The Eurythmics
7. Daryl Hall
8. Michael McDonald
9. Berlin
10. Lionel Richie
11. The Fabulous Thunderbirds
12. Robert Palmer
13. Wham!
14. Eddie Money
15. GTR
16. The Monkees
17. Madonna
18. Paul McCartney
19. Billy Joel
20. Janet Jackson

- "Higher Love"
- "Somebody Like You"
- "Walk This Way"
- "Venus"
- "Sweet With You"
- "Missionary Man"
- "Dream Time"
- "Sweet Freedom"
- "You Take My Breath Away"
- "Dancing on the Ceiling"
- "Wrap It Up"
- "I Didn't Mean to Turn You On"
- "The Edge of Heaven"
- "Take Me Home Tonight"
- "The Hunter"
- "That Was Then, This is Now"
- "Pap Don't Preach"
- "Pretz"
- "A Matter of Trust"
- "When I Think of You"



American Red Cross

For the deaf, the film *Children of a Lesser God* is a beautiful, angry woman, Marlee Matlin, who is hearing-impaired, makes her film debut as the proud Sarah Norman. The film is based on the Tony award-winning stage play by Mark Medoff.

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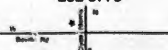
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ΣΧ Sigma Chi

By Steve Avakian
Chapter Editor

The brothers of Sigma Chi welcome everyone for the Fall trimester at ERAU. The Summer terms have kept the Brothers very busy with the maintenance of the house, school, and of course those popular retreats at the Outer Park.

The house is really taking shape with the new roof, the grass which was recently planted, and the modernization of our kitchen which is our current project, and we hope to complete it soon.

The Fall trimester promises to be a busy one, especially with

Rush Week now upon us. Tonight, Wednesday is the "Over the hump" party at the house. Please come out, talk to us, and find out what the fraternity experience is all about.

On Friday, in the University Center, the Interfraternity Council is holding its first annual "Rush Kickoff Party" where you will be able to talk to members from all of the fraternities on campus, followed by our '86 Rush Bash" at the Sigma Chi house on Saturday, September 20.

Sigma Chi was founded at Miami University in Oxford, Ohio on June 28, 1855. Since its

founding, the fraternity has grown to over 190 active chapters in the U.S. and Canada and more than 175,000 men have been initiated into the bonds of Sig Brotherhood.

Events we are looking forward to this trimester include the Sigma Chi/Red Cross blood drive, Little Sixes Rush, Creek Week, Sigma Chi Derby Days, The White Rose Ball, and a very productive pledge program.

Our house is located at 530 South Ridgewood Ave. For rides or information contact Kerry Sullivan at 252-2277. Good luck to all in the coming trimester!

ΣΦΔ Sigma Phi Delta Engineering Fraternity

By Joe K. Lee
Chapter Historian

As a Social and Engineering Fraternity, Sigma Phi Delta participates in annual activities that promote the Engineering profession and the collegiate life styles. This year, the Engineering Fraternity follows the tradition: by having planned a very extensive schedule of social and professional activities.

Sigma Phi Delta would like to start off this trimester by holding a "Crash-Rush Party Celebration". This party will be held this coming Friday, Sept. 19, at 9:00 p.m. Our two houses are located on 519/525 S. Ridgewood Ave. We are expecting to meet many people, in addition with the many other students and faculty members who are already friends with Sigma Phi Delta. Refreshments and slices of pizza

will be provided. (See our add in Page 7).

The Engineering Fraternity has already planned many other different events to make this trimester very enjoyable.

If you are interested in joining Sigma Phi Delta, and you want more information, please contact us at 252-9374, or drop a note in our box at the Student Activities office.

ΛΧΑ Lambda Chi Alpha

By Donn Gauger
Secretary

Welcome back! I hope everyone had a great summer.

Lambda Chi Alpha started this year off with an awesome first week. Monte Carlo night led it off last Thursday. Thanks once again to all the brothers and sisters who worked so hard. Once again, Monte Carlo night was a big success. We hope everyone enjoyed themselves and congratulations to all the winners.

Our thanks go out to the following businesses for the fantastic prizes they donated: Phoenix East Aviation for 1 free hour in their Stearman, Eagle Flight Center for 1 hour in a Cessna 152, Fun Vacations for a Sea Escape for two, Dixie Queen for a riverboat cruise for two and Tom's Hairport for six free haircuts.

The Pepsi Cola Bottling Group donated beverages while The Olive Garden and Casa Colardro each provided dinners for two.

In addition, Yotusia Mall

Theater provided movie passes, and Killroy Entertainment donated a video club membership, the Art Emporium a \$10 gift certificate, Sereco Types a 10 percent discount coupon. We also want to thank Mitchell's Formal Wear for the tuxedos.

If you are interested in Lambda Chi Alpha, look for us on campus, we're out there.

Our meetings are Mondays at 7:30 p.m. in W-306 and we have pizza right every Wednesday at 7:30 at Louisa Pizza. Stop by, we would like to meet you.

ΔΧ Delta Chi

By Chris Reilly
PR Chairman

Welcome to all new students, brothers and returning students. As Delta Chi looks forward towards the Fall term, we should look back on our summer accomplishments.

This summer was a busy one for our Alumni Board of Trustees and for the brothers who stayed this summer. They spent their time remodeling our kitchen - actually it was more like rebuilding. This is because our demolition team got carried away and tore down one too many walls. Well, now the whole back of the house is one big kitchen with two refrigerators, a range, dishwasher and plenty of counter space.

Off to the side of the kitchen is our brand new party-deck. The deck was designed by brother Tony DiGardi and consists of our two houses extending over 20 feet into our backyard. This was constructed by the brothers and Alumni who stayed the summer.

We are really looking forward towards this Fall's Rush program. First of all, we will have our table set up in the U.C. Wednesday, Sept. 17 through Friday, Sept. 19. Our first two rush parties will be held that weekend starting at 8:30 p.m. One other party will be thrown on Sept. 26 also at 8:30 p.m.

VETS CLUB

Lisa Doyle
Vet's Club Writer

Greetings to all returning, continuing and new students, faculty and staff and especially new veterans. The Embury-Riddle Veterans' Association would like to extend a warm welcome to all veterans on campus to attend our Welcome Aboard Meeting this Friday, Sept. 19 at 8:00 p.m. in the Common Purpose Room.

Don't be concerned about Happy Hour - free refreshments will be served. The time and location of the Welcome Aboard party, tentatively planned for this Saturday, Sept. 20, will be announced at the meeting.

Also on the agenda will be suggestions for a Fall outing and organization of another bowling team and football team. Any natural-born coaches pending?

In reference to the Resatta,

committees are working hard trying to overcome some snags. More later.

So come on down! All students, faculty and staff are welcome to attend any of our meetings (but especially this one), veterans or no.

We are looking forward to seeing a lot of new faces this semester, there are definitely a lot of those around.

See you at the meeting!

AAAE

By Cheryl Roy
Public Relations

The club would like to extend a big welcome to all new and returning students. We hope you will stop at the AAAE booth during Club and Organizations day on Sept. 24 in the University Center. We are planning an exciting semester.

Our next meeting will be held Sept. 25 at 6:00 p.m. in E-607. Our guest speaker will be Mr. Tom Smith, who is a recent

Embry-Riddle graduate that is starting his own corporation, FAST. It is a helicopter service for Florida tourist attractions.

There will be a welcome social held Friday, Sept. 26. We are planning to enjoy raquet ball, billiards, swimming, pizza, and the spa. The social will be for all members. Details will be given at the Sept. 25th meeting.

During the past week, the club had a business meeting. At the meeting, we elected a secretary

and treasurer and appointed committee chairpersons.

Activities for the semester include speakers, a trip to Jacksonville International Airport, a trip to the Experimental Aircraft Association Airshow in Lakeland, continued participation in the Chamber of Commerce Transportation Committee, fund raisers and social get-togethers.

Come join us and enjoy the fun!

254-24-3555

Friday, Sept. 19 at 8:00 p.m. in the Common Purpose Room.

Items and football tickets. There are definitely a lot of those around.

In reference to the Resatta

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ARMY ROTC

**By Cdt. Capt. Laura Skamara
AROTC Writer**

Leadership. Few people are born with this quality. No one has displayed the art of leadership better than the American Army Officer.

The U.S. Army is a highly diversified organization. Upon entering the Army, everyone is assigned to a service branch. A "branch" is a general field of "interest" in the army such as Aviation, Military Intelligence, Corps of Engineers, Military Police Corps, Adjutants General, or Finance.

The Army needs Aviators to fly aircraft, mechanics to fix them and Air Traffic Control to guide them through the sky. Army Aviation officers play key roles in combat, combat support communications and intelligence operations.

As an officer in the Military Police Corps your training will include fundamentals of physical security, organization of combat, communications, weapons and small unit tactics.

The duties of the Military Police extend far beyond issuing traffic tickets. They include deterring enemy disruption of communications and logistics lines in the rear. This blend of combat tactical operations and law enforcement provides the military police with an exciting career.

The job of Military Intelligence is to know the enemy's plans before they are set in motion. Military Intelligence officers are engaged in fighting the "silent war" of gathering, analyzing and disseminating data. Duties of Military Intelligence include interrogation and aerial intelligence. These of-

ficers are trained to work with radio intercept equipment, computers, satellite data and they might learn a foreign language.

Interested in personal management? The Adjutant General Corps is for you! In many ways the Adjutant General Corps runs the Army. Duties include administering the Army's personnel, managing the Army's post office, archives, publications, and even the Army's band. Every officer knows that he or she is satisfying human needs which impact on unit readiness, morale and soldier career satisfaction.

If your major is accounting, then you may be interested in the Branch of Finance which calculates debts and credits of the Army budget. The work is challenging and opportunities to advance are endless.

The Army's flight training pro-

gram is tough, but when you conquer the challenges — from your first solo flight to graduation — you'll feel a sense of accomplishment and pride. Whether you end up flying a Chinook transport chopper, a daring Cobra gunship, or one of the new Blackhawks or Apaches, the work will be filled with exciting challenges as well as rewards.

In the Army Corps of Engineers, officers are responsible for training and leading troops in combat and construction operations essential to the Army in the field. As an Engineer officer, you will be trained in civil works projects, surveying, bridge construction, cartography and environmental studies. Not only is the work of an Army Engineer challenging and important, but there are many opportunities for advancement.

**By Thomas M. Albert
Vice President**

Welcome back everyone! The ERAU Skydive Club had its first meeting of the tri and it was a big success, with around 100 people attending.

Bob Hallett of Skydive Deland opened the meeting with some fantastic video footage of Accelerated Free Fall (AFF) and Tandem jumps Skydive Deland will now be offering a stark, line square fit jump program.

Anyone interested in the club that did not attend our first meeting is welcome to our next meeting on Tuesday Sept. 16th at 7:30 p.m. in W-306. If you have

any questions at all, contact Thomas Albert through box 5693, or if all else fails come to our booth on Clubs and Organizations (C&O) day, Wednesday, Sept. 24th. We will have videos, information and signups.

Our first demo jump of the tri will be on C&O day at 12:00 noon. The landing area will be the softball field outside the U.C. Come see what it's all about to fly nylon!

This tri promises to be a big success for the club and the club will be looking to purchase more club rigs and equipment for you to use. So, skydive hard and come support your club.

RIDERS

**By Rick Fingers
President**

Flakey Jakes in Orlando was the final destination after a three hour, 85 mile scenic putt on various back roads of Florida. Six members of the Riddle Riders defied the dark sky and went for the first weekly ride of the trimester. It was good to have Milkman, Generic and Mr. Clean back in action again.

Milky took the state off of his bike but still lived up to his name by showing off that savage tan of his. Mr. Clean took Emj for an off-road trek while he was enjoying a scenic ride (in shorts). Generic amazed everyone by keeping his up all the way from Orlando to Daytona. He even has to tie it to his "bike to keep it under" control. He decided to cut off and let it go when the club got back to school. (It was never any use to him anyway.)

Mike Withers has been appointed activities coordinator and will direct the weekly rides and camping trips, participation in the Riddle Regatta, and the Third Annual Riddle Riders Road Rally.

Art Rodriguez has been appointed Club Safety Officer to inform members on all safety concerns and to act as liaison between the Motorcycle Safety Foundation, Volusia County Motorcycle Safety Advisory Council and the club.

The next club meeting will be this Thursday, Sept. 18 at 7:00 p.m. in E-601. Club and Organizations Day preparations will be discussed as well as follow ups on the planned activities. Anyone interested in motorcycles is welcome to attend and participate. If you cannot make the meeting but are interested, drop a note in the Riddle Riders box in the Student Activities Office.

MANAGEMENT CLUB

**By Michael C. Lum
President**

On behalf of the Management Club, Inc., welcome to the Fall 1986 trimester at Embry-Riddle. Many new and returning students are now in the process of selecting their extra-curricular activities. Take a moment and consider the benefits the Management Club has to offer.

First, the Management Club is a non-profit Florida Corporation. As a member of the club, a student will gain hands-on experience in the operation of an actual corporation. The club files an annual report with the State of Florida and a corporate tax

return just as any corporation. Our board of directors consists of many top aviation executives.

Our dinner meetings, which have in the past featured such noted speakers as the President of New York Air and the Chairman of Northwest Orient (just to name a few), are one of the most popular social activities on campus. Members actively meet and discuss current aviation topics with the industry's leaders.

We travel to view first hand how an airline is operated from the ground up. In fact, the Management Club has toured Eastern's Corporate headquarters maintenance and training facilities in Miami as well as

Delta's headquarters in Atlanta. Tours such as these give our members a practical look at employment opportunities in the industry.

Aside from speakers at dinner meetings, local executives are also invited to speak at our bi-weekly meetings. Topics such as dressing for success, issues concerning the community itself, insurance and investing are common.

We recognize our outstanding members with scholarships awarded from our "well endowed" endowment fund. Two scholarships are awarded each semester. Considering this, the club's dues of only \$5.00 per

trimester is a good investment in your future.

The club is currently working on a project to produce a consolidated time-table of all flights and most connections from Daytona Beach Airport. Instead of washing cars, our members gain practical experience in an aviation related project to raise funds for the club.

If these benefits have not convinced you to join the Management Club, remember, "It looks good on a resumé!" Our first meeting will be held on Thursday, Sept. 18 at 7:00 p.m. in W-306. Or, stop by our booth on Club and Organizations Day Sept. 24th.

IT'S FINALLY HERE!!

DELTA CHI WANTS YOU AT ITS FALL 1986 RUSH PARTIES

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'76 VW RABBIT - Runs but needs a little work, \$150 or best offer. Contact Andy at 257-5900 or box C-207

'75 TOYOTA SUPRA - Fully loaded, power windows, cruise control, leather interior, \$13,800. Call 253-9918 for more info. Message on machine if not home.

'73 VW - Good condition, runs terrific, new fuel pump and water, power windows, 1996. Call 253-6664 after 1:00 PM. Ask for Joe.

'79 CHEVY NOVA - Air conditioning, stereo, radio, new, trailer hitch, \$1000 o.b.o. contact Jim ext. 1199, Box A-304

'83 FORD ESCORT - immaculate, low miles, 4 speed, AM/FM stereo, A/C, PB, call Ron anytime 258-9950.

'76 CHEVY NOVA - Good around town car, AM/FM stereo stereo, PS, AT, \$300 o.b.o. Call Mike 756-2461 or Box 319

TRUCKO FUGRO - Silver, 4 speed, new Michelin, AM/FM, air, rear window edges. You won't find a better deal. \$1,700 call 253-2792.

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'73 VOLSWAGEN - Good condition, recent tune-up, new fuel pump and gas filter. 7 year-old engine. Only 9992. Call 253-6664 after 1:00 p.m. Ask for Joe.

'76 TOYOTA COROLLA - Clean, runs good, great tires, fuel efficiency records. \$1900 o.b.o. Call Don, 253-8809, leave message.

VW SCIROCCO - Two tone black and silver, slick shift, raised windows, aircon, ps/fm stereo cassette, road and side mirrors (black kit), Pirelli tires, good gas mileage, rust free and fun. Call 253-7774

VW DUNE Buggy - Clean, red, chrome mirror, dual exhaust, fiberglass body, perfect for beach. Call 253-7774

'80 PONTIAC FIREBIRD - 2 cyl. a/c, a/c, new tires, ps/fm cassette, good condition. \$1600 o.b.o. Contact Mark at box 622.

'84 HONDA CB 500 - Good running condition, new battery, s&h, made in U.S.A., tarp cover and extra new. Must see, must sell \$500 o.b.o. Call 252-3336.

rooms for rent

ROOMMATES WANTED - 3 bedroom house beachside with Jacuzzi. Made or female, \$140 per month. Call 677-9471.

HOUSE FOR RENT - 2 roommates needed, male or female. Furnished house and block from beach, washer/dryer, dishwasher, microwave, 3 miles from school. For info, call Chris, 253-4481.

FOR RENT - 2 bedrooms on the golf course in Pelican Bay. For rent or option to buy. Garage or laundry. \$660 per month. Call 767-3987.

FOR RENT - 2 bedroom, 2 1/2 bath townhouse in Forest Lake. 3 miles from school, private owned. \$180 per month plus utilities.

\$75.00 - Yes that's what I'll give you if you move to Wood Forest and give my name as a reference. Great apartment - pool, hot bath, weight room, come check it out and tell them Curtis saw you!

ROOM FOR RENT - Only 1/2 mile from school. Rent includes electric, water, heat, a/c, washer/dryer, cable with Showtime. May also use house hold equip. Many extras. Must be seen. Call 253-4192 or come to 115 White Street.

ROOMMATE WANTED to share 2 bedrooms in Forest Lake. 3 miles from school. \$82.50 per month plus utilities. Call Tony after 5:00 p.m. 253-4060 or at Box 1876.

SINGLE ADULT to share 2 bedroom apartment. \$200 first month plus utilities. Utilities not over \$30. Call and leave name and number after 4:00 p.m. 253-4280.

2 BEDROOM, 2 1/2 bath in Forest Lake, 3 miles from school. Private owner. Roommates, \$180 per month plus utilities. 756-3310.

ROOMMATE WANTED - 2 bed, one bath apartment beachside in good neighborhood 4 miles from ERAU. \$200 per month plus 1/2 utilities. No deposit. Available Oct. 1. Leave message in box 622 or call Brian, 253-8979.

FURNISHED room for rent only 1/2 mile from school. Rent includes electric, water, heat air-cond., washer/dryer, no linen. Also cable with Showtime, your own room with twin size bed, large dresser, walk in closet, study desk, lamp, etc. Only \$250 per month. Call 253-1192 or come to 115 White Street.

ROOMMATE WANTED an share 2 bedrooms, 2 bath apartment only 3 miles from ERAU. \$142.50 per month plus utilities. Call Tony after 5:00 p.m. 253-6097.

ONE BEDROOM apartment close to ERAU and DMCC. \$250 per month plus first and last and \$100 security. Call 253-4308 and leave message in Box 319.

ROOMMATE NEEDED to share 3 bedrooms apartment at the Barrington, one block north of Marine Ave. \$190 per month plus 1/2 utilities. Contact Tony at 253-1047.

ROOM FOR RENT - \$210 per month. Completely furnished. Deposit req. Beautiful apartment overlooking swimming pool. Call Brian 253-7941 after 1:00 p.m.

CONDOD FOR RENT - Was a kind on a fully furnished, 2 bed, 2 bath condo for only \$375 per month? Stop by the Avion office or call ext. 1002 and ask for John O. Leave a note!

miscellaneous for sale

'70 MOBE TURBO 14 - Excellent condition with trailer, air and zipper. \$1000 asks all. Leave message in Box 5811 or call 641-2578.

SMALL REFRIG - Great for dorm. Call Dave at 756-4017 or note in Box 610.

STEALING SOUND TOO RISKY? - Then buy this because it's the same Hung Entertainment center will hold TV, VCR, Stereo, records and boat's. \$100. Also selling the VCR, TV and Stereo. Call Jeff for information 253-2302.

FURNITURE FOR SALE - Full living room set, velvet couch, two sets of chairs, 2 wood chairs and a large oak coffee table. Contact 9:00 at 254-3151 or Box 7405.

SWIVEL-LOUNGE CHAIR - CHEAP!! \$57.50. Contact W.P. at Box 6116.

QUEEN SIZE FOAM MATTRESS - New, never used, cost \$80 - now \$30. Also, electric broom, \$15. Also \$300 Camera, \$10. Fishing rods and reels of various sizes and prices. Golf clubs - woods and irons with carry bag. Call 258-0445.

REFRIGERATOR - 1.7 m. ft. Has only been used for 3 months. Contact Alf at Box 5883 or call 767-4079.

WHY RENT when you can buy? down side fridge, \$40 o.b.o. Call Scott 253-7861.

BROWN COUCH in great condition. Best offer. Call Rita 253-3073 after 5:00 p.m.

SINGLE BED, \$30. Bedding table \$90. Contact S. Zald, ERAU Box 5814.

GRADUATING SENIOR MUST SELL - Klapure used, student desk, dining table, couch, stereo rack, Kenwood receiver 100 watts, turntable, Inearath Atrath scanner, and lots more. Call 252-7774

AVSTAR - Brand New. Chevy \$55.00 Contact Cathy, box 5538 or call 253-8479.

SHARP INTELLIWRITE - Portable, 8.5 lb., battery or electric, exact condition. Two meters printer, could infuse as printer. Has 2 memory features, 2.50 characters, 2.2 Kbytes optional to 6.3 Kbytes. Easy to use, type your own papers, can take to class. Call 253-4787 after 9:00 pm.

miscellaneous

LEARN TO FLY - Private, commercial and CFI flight instruction. Contact Madison S. Hughes CFI at 257-3330 or leave message at 255-3456

LEARN TO FLY - Professional flight instruction offered at reasonable rates. Available to fly at all times including weekends. Cost at Bob at 253-7524.

WANTED - Berets wanted for established pre-music band to perform originals. Influences include R.E.M., Jan. Val. University, Bonnie. Box 8209 or call 253-7107.

WANTED - Full time pilot, 1000 hrs. min. Commercial and instrument rated. Contact Peggy Harder at (912)-264-1335

TUTOR for MA 345. Contact Steven, box 6161.

PAYMENT DEADLINES

old, top condition. Contact Ali; box 5883 or 767-4079.

Available Call: Leave message in box 622 or call Brian, 252-6379.

Call 557-1261. Contact Willard at Box 6116.

Secret at Box 6161.

box 4161.

PAYMENT DEADLINES

FALL '86

SEPTEMBER 23

All tuition and fees will be extended until 4:00 pm September 23rd. Unpaid balance will be subject to a \$100.00 late fee after the 4 o'clock deadline.

SEPTEMBER 24

Promissory note signing will begin in the Student Accounting Office, Admin. Building, from 1:00-4:00 daily and continue until October 9, 1986

OCTOBER 9

Any student who has NOT paid tuition and has NOT signed a promissory note, will be Administratively withdrawn from all Fall 1986 classes.

SERVICE FEE

Service fee of 1.5% will be charged on any unpaid balance on these following dates: October 19, 1986; November 18, 1986; December 19, 1986.

PAYMENT ENVELOPES

Green payment envelopes are available for your convenience. These may be found at the Bookstore and IN/COM Center.

IMPORTANT

Include your student identification number ON YOUR CHECK.

MAIL

Place in 'On-Campus' slot at mail room BEFORE 4:00 p.m. September 23, 1986

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