



Avion

Newspapers

3-18-1987

Avion 1987-03-18

Embry-Riddle Aeronautical University

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Spring Break brings out some bad combinations. Alcohol on the beach, although prohibited, appears far too often, and is a factor in many deaths this time of the year. See related stories on page 14.

Station funds still sought

By Chip Zodrow

The Embry-Riddle student government association (SGA) is attempting to establish a student-run FM radio station. The station at the Daytona Beach campus would be heard throughout east Volusia county.

The student government voted on March 8 to successfully increase the SGA fees from \$15 to \$20 per semester to help fund the new station. Now that the increase has been affirmed, the proposal must now be approved by Chancellor Eric Doten.

Lora Bresenski, the SGA presi-

dent, states that school officials agree that the station could be a goodwill tool, but they also want the venture to be run professionally. To achieve a high level of professionalism, \$2 of the SGA fee increase will help pay for a professional station manager.

There has been a set-back in the plans for the station. The SGA contacted engineers from Gainesville to apply for a construction grant, and the school was found to be ineligible. The grant was turned down because money is allocated only to public stations.

See Radio, page 3

Epicure plans expansion

By Chip Zodrow

Epicure food service is planning to expand the services on the Daytona Beach campus. The Flight Deck in the University Center (U.C.), and the lunch wagon near the AMT building will be seeing facelifts in the future.

The major improvement for the U.C. will hopefully consist of a new snack bar. Kevin Murphy, the director of food services, states that the proposal for the improved snack bar is due in one month. Mr.

Murphy also declares that there is a good chance the proposal will go through.

The design for the new snack area is to consist of moving the Flight Deck from the lower part of the U.C. up to the second floor area. The unused flat roof area around the perimeter of the U.C. will then be enclosed in curved windows. Benches, booths, and tables will then be placed up there for studying or dining. The plan will

See Plans, page 3

Inside the Avion this week

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TRIVIA - There is a Boeing 717! The number fits an aircraft which normally goes by its military designation - The KC-135.

bors of the editorial board of the *Avion* were invited to the weekly meeting of the Interfraternity Council (IFC). Charles Stern, President of IFC, requested that the *Avion* be present in order to "resolve a little problem between a fraternity and the *Avion*."

The "problem" originated with an Alpha Eta Rho (AHP) article printed in the Feb. 11 issue of the *Avion*. In it, the brothers offered their congratulations to a fellow brother and his fiance on their upcoming summer wedding. The congratulatory went on to detail the couple's immediate post-marital life.

The validity of both announcements was questioned when the prospects of a libel suit were directed at the *Avion*.

With the credibility of AHP thus in question, the *Avion* editorial board decided not to allow AHP to run articles for the remainder of the Spring trimester.

The suspension of AHP and the editorial policies of the *Avion* regarding club and organization articles were the main concerns of the IFC and the reason that they

See AVION, page 3



Headin' In...

Avion photo by Mark Stern-Montgomery

The Valiant Air Command's Fuji show '87. The Fuji's simulate Japanese aircraft for airshow purposes. Story and photos on page 6.

'Jim's Wing' wins IFC softball tournament

By J. Miguel Vidal

A Softball Marathon, to benefit Special Olympics of Florida, was held on campus last weekend. The event was organized by the Interfraternity Council, and was co-sponsored by over ten local businesses and organizations.

Close to one thousand dollars were raised during the event.

According to Mary Bellm, IFC person in charge of the fundraising contest, Richard Berrones, a member of the Lambda Chi Alpha Fraternity, was awarded the person who raised, and donated the highest amount of money.

The Marathon began on Friday afternoon, by 5:30 p.m., with an opening ceremony that featured university President Kenneth Tallman, and the ERAU Skydiving Team.

Early during the ceremony, President Tallman inaugurated the new University field. Then members of the skydiving team made a jump, carrying a softball signed by IFC members, and landed in the center of the field. Finally, the ball was handed to President Tallman, who minutes later made the first pitch of the event to Charles Stern, IFC president, beginning the event.

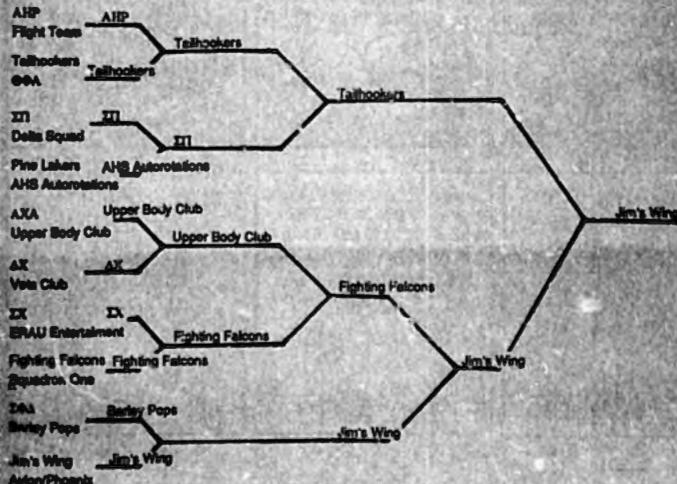
Twenty teams participated in the Softball Marathon, which lasted over twenty-seven hours. Each game was one hour and twenty-five minutes long, resulting in 18 regular

games, and a seven-inning Championship game. This final game was won by Jim's wing.

The Interfraternity Council plans to continue this event every year.

"This time it was kind of difficult to arrange the marathon, because it was the first time that something like this was held here in ERAU. Next year, however, it should be an easier task for the next IFC administration, and they should be able to raise a higher amount of money," commented Dave Kissell, IFC Marathon Committee Chairman.

Marathon Results



Avion graphics by J. Miguel Vidal

Editorial

SAC ignores other student divisions

In a joint session of the Student Administrative Council (SAC) and the Student Finance Board (SFB), members voted on a proposal to increase the SGA fee from the current \$15 to \$20 per semester. The proposal passed narrowly by two votes, nine to seven. The vote was not really for the fee increase, but in reality, how much it should be raised to — \$20 or \$25.

The whole situation was indicative of the SAC's relationship with the other divisions. The proposal did not originate from the Student Finance Board like you might think it is supposed to, nor was any member of the Student Finance Board called to discuss the proposal. The result — when the vote was taken, three of the four SOA divisions, (the Avon, the Phoenix, and Entertainment) suffered a major defeat, and the students were the real losers.

The lack of communication on the part of the SAC will result in the continuance in mediocrity of all the divisions. The Entertainment Committee will only be able to host no-name bands, the Phoenix will be unable to expand their coverage of activities in the yearbook, and the Avon will be still in capable of covering numerous stories and events on campus.

If this term is any indication of the trimesters to follow, the SGA, even with its \$5 increase, will be in financial difficulties for a some time to come.

What was the SAC's reason for a modest increase instead of an increase that would allow them to maintain a level of services comparable to five years ago when they had the last increase? The "whiney" excuse they gave was that the students would complain. The complaints we hear of are those of lack of quality services, not the amount that students have to pay.

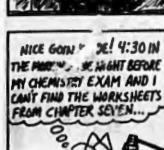
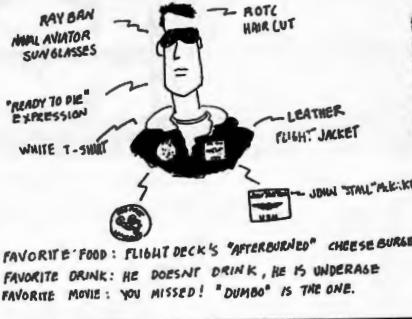
Another reason for a larger increase is the lack of proper equipment in the divisions. The divisions are suffering greatly in this area. The Entertainment Committee has been having extensive problems with their film projectors, and they are afraid to put on a show because the stage is a safety hazard. The Avon/Phoenix office is just as bad, lacking some of the most fundamental equipment required to maintain productive efficiency.

The students of Embry-Riddle deserve better than this. They need quality leadership, not wishy-washy politicians. Throughout this term, the SAC has tried to push this by the

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The students of Embry-Riddle deserve better than this. They need quality leadership, not wishy-washy politicians. Throughout this term, the SAC has tried to push this by the students, without giving them a fair chance. This one issue is only a small sample of what has been going on. It is our prediction that next week's election will go the same way as the vote on the SGA Constitution. Students will not know the issues, and in an attempt to keep from choosing the wrong candidate, they will abstain from voting.

klyde Morris**TOP GUNNER**

ANDREW G. COOPER

FAVORITE DRINK: HE DOESN'T DRINK, HE IS UNDERAGE
FAVORITE MOVIE: YOU MISSED IT! "DUMBO" IS THE ONE.

Letters to the Editor**Drastic Response**

To the Editor:

In response to the letter to the editor entitled "Embry-Riddle I would like to make a few comments. First, neither of the cartoons mentioned Muslims and were directed towards Americans as much as anyone else.

The Editorial cartoon in the February fourth issue of the Avon was not directed towards the Moslems in the middle east, it was directed towards the fact that our government traded arms for hostages held by Iran.

The cartoon by Wes Oleszewski was not an insult to any religion but a mockery of the government that could be used to take drastic action if the Avon did not print a retraction to the aforementioned editorial cartoon. That issue also made fun of Jane Fonda and terrorists, but not your religion.

I can respect that you would not like anyone insulting your religion,

not refer to Jesus as a mere prophet. You also mentioned that the media picks on your religion by labeling you as terrorists. The media does not care about the Christians in Northern Ireland or anywhere. Even though I am Catholic, I do not feel that they are calling me a terrorist, *as may be that is because I didn't threaten to take "drastic action".*

Finally I would like to say that we enjoy a freedom of speech, and so if you say that these cartoons are so insulting don't read them.

Dave Rovka

Box 2574

Off the Ground

To the Editor:

The following comments are in response to Mr. Reynolds' letter concerning FA 104 (Avon, March 11).

Students are assigned to a flight deck in order of their priority for registration. Freshmen have not established a C.P.A. prior to preregistration for Spring. They are assigned an instruction based on their choice for flight.

Obviously, all FA 104 students

are not on the first day of the trimester. As of March 11, all Spring FA 104's, including myself, have registered. I am a flight deck instructor and we "off the ground." We expect to complete all the FA 104 students by May 1 which is listed in the Spring schedule of courses as "end of Spring trimester and last day to complete flight courses."

Dave O'Gara
Training Manager
FA104/FA315

Epicure Support

To the Editor:

I have been at Embry Riddle for less than a year, and I would like to say that I am appalled at the way some of the Epicure service people are treated.

The people at Epicure are just that, people that are doing a job. It's not their fault that the food revolts you. In fact, I'm quite sure that they are sorry about the quality of the food.

Finally I would like to say that we enjoy a freedom of speech, and so if you say that these cartoons are so insulting don't read them.

Dave Rovka

Box 2574

Off the Ground

To the Editor:

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fun of Jim Fonda and terrorists, but not your religion.

I can respect that you would not like anyone insulting your religious beliefs or "Allah the only god worthy of worship", although I feel that Jesus is also worthy of worship because in my religion, Jesus and the Holy Father are one in the same, so I would request that if you are so touchy about your religion, you do

concerning FA 104 (Avion, March 11).

Students are assigned to a flight slot in order of their priority for registration. Freshmen have not established a G.P.A. prior to pre-registration for Spring. They are assigned to an instructor based on their check-in for flight.

Obviously, all FA 104 students can not begin on the first day of the

The people in Epicure are just that. People that are doing a job. It's not their fault that the food revolts you. In fact, I'm quite sure that they are sorry about the quality of the food.

Maybe you should put yourself in their position. Some of them are having to work for Epicure to pay part of their tuition. If you were working under the same circum-

term, the Avion will not be published April 1. The last two issues of the term will be out on March 25 and April 8.

However...

Be prepared for the silliness of the Avion. Coming to this campus and 7-lis all over Daytona Beach.

klyde Morris



Wes Oleszewski



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Aeronautics Editor
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Systems Manager
Jim Banke

Avion Adviser
Dr. Roger Osterholm

This week's staff: Dave Rovka, Wes Oleszewski, Steve Cagle, Rich Grey, Bill Fisher, John Getsy, Jeff Guzzetti, Marc Stern-Montagny, Bill Fisher, Tom Juliani, and Craig Oleszewski.

The opinions expressed in the *Editorial* 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. Opinions expressed elsewhere in the Avion are of the author of the story.

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

The Avion Editorial Board members are: Timothy S. Van Milligan, Allen Berg, Brian Nicklas, Pete Merlin, Jim Banke, Paul Novacek, Rob Watt, Larry Rice, and Chip Zodrow.

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 Advisors, and the Associated Collegiate Press.

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MMI develops Space Van concept

Fully reusable spacecraft would support commercial use of space

By Peter W. Merlin

A small, manned, shuttle-type commercial launch vehicle is being developed by "Third Stage," Inc. (also known as MMI). The company describes its "Space Van" as the only fully reusable launch vehicle being developed anywhere in the world. MMI believes that the Space Van will allow payloads to be launched with a significant cost savings over other systems. MMI issued a press flight announcement in 1991, providing service to geosynchronous; polar; and low Earth orbits.

Space Van will be less than half the length of NASA's Space Shuttle orbiter, and will carry just under three times the payload per flight. The vehicle is being designed for a turnaround time of three to seven days. Government licensing requirements permitting, Space Van will have a standard lead time of one month and emergency launch capability within five days.

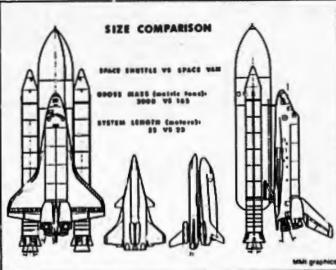
MMI plans to offer a launch price of \$1.2 million to \$10 million for a 6,160 lb. payload to low Earth orbit. A tentative launch price for the same payload to geosynchronous orbit would range from \$4 million to

\$40 million. MMI is also considering a launch price of \$1.000 to \$10 million to place a 3,000 lb. payload into a 450 km polar orbit.

The Space Van system will consist of the Space Van orbiter. A reusable, winged booster will launch the Space Van at mach 2.0 and an altitude of about 100,000 feet. Orbiter and booster will lift off from a stable launch ship that will act as a orbital transfer platform. An orbital depot will provide for orbital assembly and replenishment of propellants. Lastly, a reusable orbital transfer vehicle will transport satellites from the depot to their final orbits.

The Space Van orbiter payload bay measures nearly seven feet in diameter by 23 feet in length. A Space Van orbiter has six pic's. The vehicle will be powered by eight Pratt & Whitney RL10 liquid-propellant rocket engines.

Current designs call for the orbiter to reach altitudes up to 20,000 ft higher and 400 to 500 degrees cooler than the NASA Shuttle. It will be protected by a thermal insulation designed by MMI. Space Van will land at a speed of about 145 miles per hour.



MMI expects the booster stage to have a structural cost of about one-tenth the per-unit cost of the orbiter. The booster will be powered by three Rockwell H-1 engines of the type used in Delta rockets. Two afterburning turbofan engines will assist the booster during acceleration and landing approach orbits.

Both the Space Van and its boosters are handled like airplanes during ground operations. Maintenance, stacking, and propellant loading take place in the horizontal position. Just prior to launch, the mated vehicles are erected to a nearly vertical position.

Initial flight test angle is about 70 degrees, with a maximum of a five degree angle-of-attack. Staging occurs at about mach 2.0 and an altitude of about 100,000 feet. After separation, the booster uses the afterburning turbofan engines to make a powered approach to a 9,000 ft. runway. The intended recovery site, and base of operations for the launch ship, is at Pago Pago, American Samoa.

MMI has designed a stable ship launch platform that is a hybrid of a semi-submersible and a catamaran. The ship will be over 300 feet long

and displace about 20,000 metric tons. Launch operations will take place on a superstructure located on the deck of the ship.

The booster will be positioned on the deck of the ship, while the orbiter will be stacked on top of the booster.

In a letter of transmittal, Daniel J. Weisz, chairman of the National Aerospace Administration, Dr. James C. Fletcher to quickly seek a supplementary budget to begin ELV development. Without immediate action, "the nation's civil space program - especially that in space science - which until recently has been a shining example of U.S. leadership - will be damaged to a degree from which recovery will be extremely difficult and expensive."

The study places substantial emphasis on space science, which has suffered considerably from the 2-

NASA Advisory Council recommends diversified expendable launcher fleet

National Aeronautics and Space Administration

The NASA Advisory Council recommended today that the space agency acquire a diversified fleet of expendable launch vehicles (ELVs) and shift as much cargo to them as possible to preserve the Space Shuttle for missions requiring unique capabilities.

In addition to launching cargo designed only for the Shuttle, the capabilities include two-way crew transportation, manned or orbital tasks, satellite recovery, scientific services, and returning orbital return cargo from space.

The recommendations are contained in a study of issues involved in creating a "mixed fleet" of launch vehicles consisting of Space Shuttles and ELVs.

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The study places substantial emphasis on space science, which has suffered considerably from the 2-

year delay in the Shuttle program and the unavailability of a fleet of ELVs. Creating a "robust and resilient capability" with an adequate fleet of ELVs could get a number of important science missions into orbit 2 to 4 years earlier than currently planned, the study said.

The current ELV fleet should be considered in relation to the "economies - budgetary costs, opportunity costs and program disruption of the current unplanned for stand-down," the council said.

The study was undertaken by the council at the agency's request. A task force led by council member Daniel J. Weisz, chief physicist and head of an aerospace consulting firm, did the study. Weisz was endorsed by the council.

The final report identifies and discusses issues and makes eight major recommendations. They address Shuttle use policy, acquisition of ELVs, including a new heavy-lift vehicle, Shuttle flight frequency, planning for stand-downs, defining NASA and DOD roles, identification of program constraints, evaluation of the up-charge fleet and encouragement of commercialization activities.

The council is the senior external advisory body to NASA and its Administrator. Its 25 members are prominent in such fields as science, industry, education, communication and others.

DELTA LAUNCH

Thursday night!

Delta 182 is scheduled for liftoff no earlier than 5:22 p.m. EST. The launch window extends until 6:47 p.m.

Delta 182 will carry the Palapa B2 communications satellite for the government of Indonesia.

EAGLE FLIGHT CENTER

MMI has designed a static, ship launch platform that is a hybrid of a semi-submersible and a catamaran. The ship will be over 300 feet long

Routable orbital transfer vehicles (OTVs) will place satellites on orbit at the desired location. An OTV would be an unmanned vehicle, powered by a single RL10 engine. It could also be used for satellite maintenance operations.

Delta 182 will carry the Palapa B2 communications satellite for the government of Indonesia.

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C152	\$30.00	Mooney (Loaded, IFR)	\$59.00
C152 IFR (2).....	\$33.00	Saratoga SP (New, Loaded)	\$90.00
C152 Aerobat	\$33.00	Seminole (Twin)	\$110.00
C172's IFR (6)	\$44.00	Simulstator (AST 300 S/E & M/E)	\$16.00
C172RG	\$55.00	Complete Aerobatic Course	\$39.00
Warriors (NEW).....	\$47.00	Beech Baron (Twin)	\$115.00
Seaplane (Lake Buccaneer) (Dual)	\$114.00	Super Decathlon	\$49.00

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★ Rayban Sunglasses	\$32.00
★ Jet Stencils (3'X6')	29.95
★ Telex Headphones	\$24.95
★ Books & Supplies	Discounted
★ Charts — "Lowest Prices in Florida"	
★ TT920 Trancievers	\$425.00
★ Leather Flight Jackets	\$168.00
★ Vinyl Flight Jackets	\$38.00
★ David Clark (H10-30) Headset	\$179.95

1624 Bellevue Ave.
On Daytona Beach Regional Airport
(Just Off Clyde Morris - 1 Block South of ERAU)

255-3456

**Strike Eagle...**

The first F-15E test aircraft arrives at Edwards AFB, Calif., to launch a 36-month program there to test and evaluate the modified F-15 fighter as a dual-role aircraft capable of ground attack and long-range interdiction missions, in addition to carrying out traditional air combat roles. The F-15E is equip-

ped with the twin-pod LANTERN all-weather navigation and targeting system, conformal fuel tanks for increased range and payload, and a two-seat cockpit with TV-like displays for systems monitoring, navigation and weapons delivery.

The No. 1 F-15E aircraft was delivered March 2.

U.S. Air Force photo by Los Lindquist

Presidental Airways D.C. — Presidential Airways announced that it will add ten British Aerospace BAe 146-200 four-engine jetliners to its fleet, with delivery scheduled during the balance of 1987 and 1988. The acquisition is part of the airline's plan for implementation of its Continental Express service. Model 23 with the economical BAe 146-200, which will replace Presidental's fleet of Boeing 737s.

Presidental currently operates five BAe 146s and eight Boeing 737s. In its new role as a Continental Express carrier, feeder to Continental Airlines flight 800 at Washington Dulles International Airport, the airline will transition its fleet to all 146s. The 90-seat jet is well suited to serve one mid-sized cities that Presidental will have on its Continental Express route system.

Presidental's Continental Express will serve the following cities from its Washington/Dulles hub beginning March 23: Albany, N.Y.; Birmingham, Ala.; Indianapolis, Ind.; Melbourne, Fla.; New York's JFK Airport; Philadelphia, Penn.; Portland, Maine; Sacramento/Bradenwood, Fla.; and Savannah, Georgia/Hilton Head, S.C. Carolina.

The airline began operations October 10, 1985 and currently serves 11 cities in the Eastern United States. It also operates turbo-prop commuter service to eight Mid-Atlantic destinations from Washington/Dulles airport under the Continental Express name.

Gulfstream fan flies for test program

Gulfstream Aerospace

SAVANNAH, Georgia — Initial airworthiness flights began March 6 for a modified Gulfstream II test aircraft being used in NASA's Propfan Test Assessment (PTA) Program.

The 90 minute test flight was flown by Robert K. Smyth, vice president, flight operations for Gulfstream Aerospace and Frank D. Hadden, chief test pilot for Lock-

heed-Georgia who served as copilot.

The test aircraft, Serial #118, is owned by Lockheed-Georgia Company, principal contractor for the PTA program and leased to NASA's Lewis Research Center.

Structural integrity and noise characteristics of an efficient, high-speed propeller designed for use on large aircraft.

For the last year Gulfstream

Aerospace Corporation has been modifying the Gulfstream II to accommodate the propfan engine on the

left wing of the twin-engine business jet. Both wings were strengthened and a balance boom added to the right wingtip. Initial airworthiness flights and systems checkouts

by Gulfstream are expected to take about two weeks. The Gulfstream II will then be flown to Marietta,

Georgia to begin about 150 flight hours of actual propfan test assessment flown by Lockheed test crews.

"We will insure the aircraft is ready to begin propfan flight tests," says Ron Wodkowksi, Gulfstream's PTA project manager. Check flights at Savannah will not include propfan operation, he added.

The instrumentation and data recording system installed on the Gulfstream II is extensive. Wod-

kowski says, encompassing approximately 520 sensors, signal conditioning, and recording equipment to record sensor outputs continuously in flight.

The PTA program utilizes a nine-foot-diameter, eight-blade propfan developed by the Propfan Division of United Technologies.

The propfan drive system consists of a modified Allison 570 industrial turbo-shaft engine and a modified Allison T56 reduction gear box. The

QEC (Quick Engine Change) composite nacelle was designed by Rohr Industries.

William E. Arndt, PTA program manager at Lockheed, says that initial flights with the propfan installed will begin in early April. The first research flight testing is scheduled in mid-May. The modification completion and systems checkouts at Gulfstream represent the first step, Arndt added.

Middle, chief test pilot for Lockheed. For the past year Gulfstream about two weeks. The Gulfstream II will then be flown to Marietta, recording system installed on the Gulfstream II is extensive. West Allard, who is managing the Gulfstream program for the program, Allard added.

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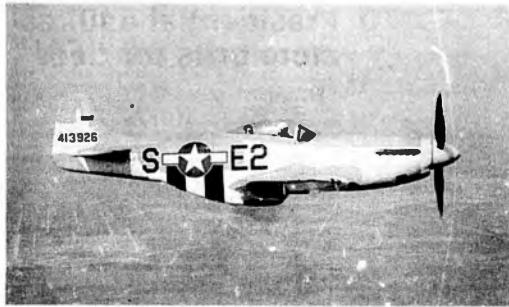
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Dean Cutshall of Ft. Wayne, Indiana flies high above Titusville during last weekend's Valiant Air Command Air Show. Cutshall's Mustang

was one of many to be seen at the show, but his passenger, Steve Burns, might tell you that it is the best P-51 Mustang around.

Avion photo by Brian Heickels



Bill Greenwood of Aspen, Colorado flew this Supermarine Spitfire into Central Florida last Friday for the VAC show. The Mark IX "Spit"

was converted into a two-seater for the Irish Air Corps in the early fifties by the Vickers company of England. One very lean machine.

Avion photo by Mark Stern Montaghy



The Hawker Hurricane was the predominant British fighter of the Battle of Britain, although there are now only three flying

worldwide. This one is operated by the Canadian Warplane Heritage and is flown at displays by Rick Franks of the CWH.

Avion photo by Mark Stern Montaghy



As seen from Fuji lead flown by Dennis Calahan, 1053 with pilot 'Spade' McDade and

1017 flown by Dave Garber formation enroute for Orlando on an unknown Japanese mission

Avion photo by Brian Heickels

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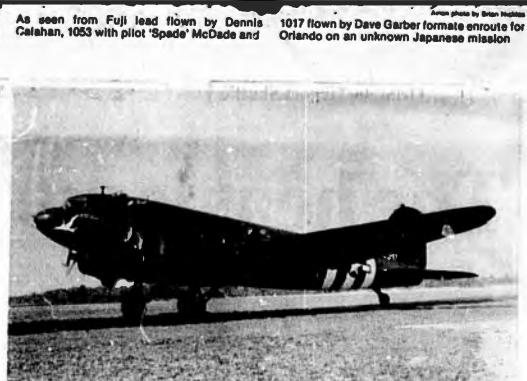
1017 flown by Dave Garber formation enroute for Orlando on an unknown Japanese mission

Avion photo by Brian Heickels



One of the last heavy 'Queens,' Nine-O-Nine thunders down the showline to display the

classic lines of a perennial favorite, the Boeing B-17 Flying Fortress. (Flown by Tom Reilly.)



A true veteran, 'We Deliver,' a Douglas C-47, served during the Normandy Invasion at D-Day, the 'Bridge too Far' of Operation

Market Garden, and the humanitarian effort of the Berlin Airlift. The Valiant Air Command recently completed a four-year restoration.

Avion photo by Brian Heickels

PRESS RELEASE

Volunteer Service Bureau will have a "Department Store" Garage Sale April 4 & 5 at the Daytona Beach National Guard Armory.

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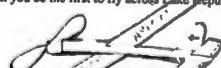
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'Valiant' performance wows crowd

By Brian Niclides

Bomb bursts, the rattle of machine gun fire and the whine of in-line twelve cylinder engines and the roar of radial-powered aircraft. All these sounds and more were a part of the 1987 Valiant Air Command Air Show - A salute to the Battle of Britain.

Masses of people thronged to this year's event, which grew not only in the number visitors, but also in the number of visiting aircraft.

The total attendance figures are not yet in, but the crowd total for the three day event is expected to number around 75,000. Warbird attendees also set a high-water mark, some 153 planes the VAC can count.

While Friday marks the start of the airshow, the event really kicks off on Thursday, when the VAC hosts a luncheon for the visiting dignitaries and pilot-attendees.

This year's lunch was held at the 94th Aero-Squadron by Orlando Executive Airport, which makes for a friendly dining room as the VAC flies over from Titusville in their aircraft.

The luncheon honored the members of the Eagle Squadron, Americans who served in the Royal Air Force before the U.S. entry into World War II. The Air Transport Auxiliary, who ferry aircraft over long distances, combat crews for the bombing raids and fighter sweeps; and other ladies and gentlemen involved in this year's events.

These other guests included family members of the Florida Institute of Technology, which helped the VAC awarded a scholarship in aviation studies at FIT, and Scottie Holland, whose brother died during a B-17 raid on Germany in 1943.

Mrs. Holland was presented with a painting of her brother, Charles Grigsby, painted by VAC artist Harry T. Treadaway. Charles Grigsby was a B-17 veteran, having survived his downing over Germany and his internment in a Nazi POW camp. Mrs. Holland had earlier given the

VAC museum a patch from her brother's flight jacket, the only surviving memento of her brother, which had been passed to the family by the War Department.

A special recognition was given to the crew headed by Joe Cadis of Titusville, who owned one of the C-47s owned by the VAC. This C-47 flew at the D-Day invasion, Operation Market Garden and the Berlin Airlift. Transferred to the VAC by the Danish Air Force, the transport has been undergoing restoration for the past four years, only receiving its re-certification a week before the show.

Brilliantly painted in D-Day markings, the C-47 now wears a VAC emblem on the tail and the legend "In memory of Col. Dick Sprague" under the pilot's window. Sprague was a member of the VAC who recently passed away, and the title was deemed an appropriate honor.

Friday's show was hindered by high winds and chilling temperatures, but the show went on, to the delight of the crowd.

Friday's show also brought the arrival of several interceptors to Tico, including a two-seat Supermarine Spitfire, which came just in time to "shock down" marauding German aircraft.

The show routine was fairly consistent throughout the weekend, thanks to the detailed pre-show briefing by the show's "Air Boss," Bill Norrega. Until one sits in on a briefing, like this, you really can't appreciate the work that goes into keeping a flow of aircraft in front of a crowd.

A good deal of the work of keeping the crowd happy falls on the announcers, who maintain a constant patter for those few minutes when the planes aren't directly in front of show center. The VAC has luckily some excellent announcers in their ranks, these being Ted Anderson, Jan Churchill, Kevin Quinlan and Sam Srbjan (who doubled as the show pilot's weather officer).

The Saturday and Sunday performances were started with passes from modern aircraft, provided by the U.S. Government.

Saturday, passes were made by a pair of McDonnell-Douglas RF-4 Phantom II's from the Alabama Air National Guard, while a Boeing KC-135 Stratotanker crossed with low-level runs which were hard to believe. After him, the Marine pilot landed at the field, to await Sunday's performance, where he was the sole modern jet shown.

As fitting a show saluting the Battle of Britain, there were a few British aircraft, including the Hawker Hurricane, which flew the war-torn skies of Europe.

But it isn't just the veterans of World War II who enjoy the event, as children were seen pointing skyward along with the multitude of adults who find a fascination and respect for the men and machines that helped win the war.

Even American ace Francis "Gabby" Gabreski was seen strolling the flightline, admiring the aircraft in which he flew the war-torn skies of Europe.

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The show now attracts more than just warbirds from the Second World War era, and in past years aircraft such as Beech T-34 Mentor, Douglas Skymaster and North American T-28 Trojan could be seen.

This year's show had all of these, and a few more. Making another highlight of the show Saturday was the air pairing of the only flying Grumman Panther jets.

The Panthers were joined by a pair of F4U Corsairs and a CH-170 Chinook.

The jets provided an interesting contrast, from the husky layout of the naval jet, to the sleek, sharp lines of the butterfly-tailed French trainer.

But these jets don't end the show, though not done with bombing passes from the B-17's, P-51's and B-25's, it's nice to know that through the efforts of the men and women of the Valiant Air Command, a pretty good simulation can be had every Spring.

Greenwood's "Spit" Luis Zendejas and Miles Lynn flew Mark V Spitfires in U.S. markings in the Mediterranean area, from North Africa to Italy.

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Voyager, Rutan recognized by FAI

Project still 'in the red'

Associated Press

LOS ANGELES — Urging others to keep reaching for records, Voyager pilot Dick Rutan and Jeana Yeager on Thursday accepted official recognition of the world record they set by flying around the globe without stopping or refueling.

"I don't like people to say that this is the last record because records are there to be broken," said Rutan, 49, responding to an introduction that called him the owner of the last great aviation record.

"As long as there are free aviation in a free environment, records are going to be broken," Rutan said.

The Federation Aeronautique Internationale, a Paris-based organization that tracks of records, presented Rutan and Ms. Yeager with plaques before members of the Aero Club of Southern California, the federation's local affiliate.

The Voyager crew collected two awards, including one for the first record for a long-distance flight in a straight line, and the first non-stop, unrefueled flight around the world.

Voyager's flight in December lasted nine days, three minutes and 44 seconds and covered 24,987 miles, according to the plaque.

Yeager, 34, who denied making widely publicized remarks critical of the record attempt.

"It's a marvelous example of putting together a program and making it work," the retired Air Force general said. "The military could never do something like that."

Rutan's brother, Burt, received a

certificate of recognition of design from the National Aeronautical Association at the ceremony Thursday. The association announced it will present its top annual award, the Robert J. Collier trophy, to the pilots, designer and entire Voyager team May 11 in Washington, D.C.

Mr. Yeager, 34, deferred to Rutan but did note one bit of flight data: "The plane landed with 18.3 gallons of fuel left, or about 1.5 percent of its total capacity."

The project depended on voluntary contributions and deeply in the red, and the pilots went on an international speaking tour in an effort to retire the debt.

"We hope to get solvent by the end of the year," said Rutan, stepping into a waiting limousine without revealing financial details.

The pilots have signed a book contract at an undisclosed price with Alfred Knopf Co., and earlier this month, Heritage Entertainment Co. announced it had bought the movie rights to the story. Heritage president Skip Miller said he didn't know how much he was paying for it, but he sees it as a love story, but put the price "in the high six figures."

Among the 600 aviation enthusiasts attending the luncheon in a restaurant near Los Angeles International Airport was famed test pilot Chuck Yeager, who denied making widely publicized remarks critical of the record attempt.

"It's a marvelous example of putting together a program and making it work," the retired Air Force general said. "The military could never do something like that."

Yeager, who is not related to Ms. Yeager, was quoted at the time of Voyager's flight as likening it to strapping a big fuel tank to the roof of a car and driving across the country without stopping for gas.

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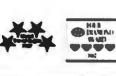
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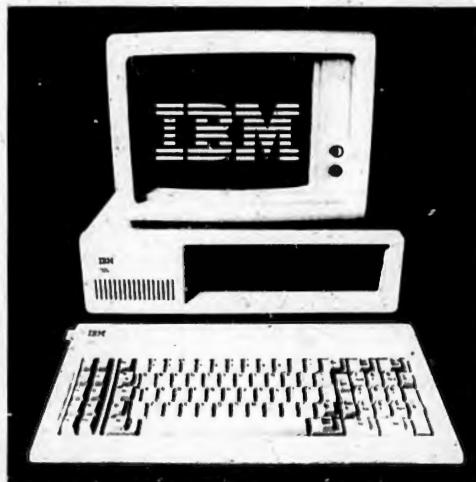
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Reba steals the show at Ocean Center

By Kim Stover
Avon Staff Reporter

Country-Western music lovers gathered at the Ocean Center to experience Reba Mac Entire's concert. Reba and the Nitty Gritty Dirt Band, along with special guest, Patti Reba, put on an outstanding show making it easy to see how she has been a three-time Country Music Association's Female vocalist of the year and Female entertainer of the year.

Opening the show for Reba were the Nitty Gritty Dirt Band and Lyne Lovett. Each band performed songs from their latest albums. Some old, some new favorites, that made the musicians famous, were also performed. Lyne Lovett sang her hit "I'm Still in Love With You," "Cowboy," and "The Nitty Gritty Dirt Band played a wide variety of songs including "Bojangles" and "If We're Ever Going To See A Rainbow."

But it was Reba Mac Entire who

stole the show. Reba sang her favorite hits "Can't Ever Get The Blues," "Little Rock," "I'm New England" and many more. Reba had three different themes to her concert with a matching outfit for each. Her songs reached the very heart of her fans. The audience was awed by the show. Reba ended her concert with a beautiful acapella version of "Sweet Dreams."

All in all, it was one fantastic show.

Aviation Images

Plot weakens '77's Airport

Our Rating:



By Dr. J. Roger Oesterholm
Professor of the Humanities

Airport '77 is the third film of the *Airport* series and rates three clowns off of a possible five, while the first (1970) rated four. This second offering is excellent cast and the Boeing 747 has an adventure is weakened by lame credibility and a story that is almost silly.

Jack Lemmon plays Capt. Don Gallagher, depicting a dedicated and professional pilot as will as the script would permit. Lee Grant co-stars as Karen Wallace, the wife of a philanthropist and a lonely woman who is having an affair with her husband's assistant, played by Gil Gerard.

Brenda Vaccaro is the principal flight attendant and lover of the pilot who wants to make "an honest woman of her" and have children. Jason Robards plays Nickolas St. John, the oil tycoon and art patron and old friend to everyone. Ernestine Livingston, played by Olivia de Mowbray,

Darren McGavin, playing Stan Buchek, is the aeronautical engineer on the maiden flight of an executive aircraft produced by another wealthy art patron, Philip Stevens, played by James Stewart. The luxurious executive jet is played by the Boeing 747.

Christopher Lee plays Martin Wallace, the philanthropist, and Robert Foxworth plays Chambers, the first officer or copilot who helps to reconstruct a missing skyjacker. The last of the main characters is carried to the next museum in Film Box, at the mansion of Philip Stevens.

Robert Hooks is Eddie, a waiter, and Monica Markham is a banker who helps to plot the skyjacking. George Kennedy is Joe Parrot, supposedly the mastermind of the rescue operation, but he is never seen again after he leaves by saying he'll keep in touch.

The skyjackers smuggle guns and a canister of CX-7 gas aboard the aircraft. They plan to passen... D.C., to Palm Beach. Of course, the aircraft disappears in the Bermuda Triangle, but because of fog, the first officer,

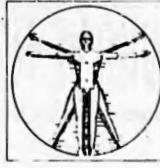
on trying to land at a deserted Caribbean field, hits the superstructure of a merchant ship, causing the aircraft to hit the water and sink, almost without a scratch on the aircraft.

The plot thickens as the Navy comes in its rescue equipment to raise the huge jumbo jetliner under the direction of Captain Gallagher, who has managed to escape the sunken plane and radio for help. The Navy role is impressive, and an annual role of the U.S.S. *Cayuga* makes plain that the plot is better described as wealthier art patrons in need of the Navy. These scenes were conducted with the help of the underwater demolition team of the Pacific Fleet.

The special effects were supervised by Albert Whetlock and Frank Brandel. The film comes from Universal, produced by Jennings Lang and William Frye, and directed by Jerry Jameson. The screenplay is by Michael Scheff and David Spector. Appropriately, it was released in 1977.

This is a special appearance by Tom Selleck, singing his own composition of "Beauty is in the Eye of the Beholder."

There is a special appearance by Tom Sullivan, singing his own composition of "Beauty is in the Eye of the Beholder" on the flight.



By Lynne Evans
Counseling Center

Pot, grass, weed, reefer, ganja, doobie and Acapulco or Columbian Gold are all street names for marijuana. Marijuana comes from the hemp plant Cannabis Sativa. The flowers and leaves are dried and can be smoked in a cigarette form ("joint"), pipe ("bow"), or a water pipe ("bong") or it may be eaten. The main mood

FLASH

For Leisure And Student Health

abusing ingredients in marijuana is THC, Delta 9 Tetrahydrocannabinol. The amount of THC varies among different plants therefore varying effects.

In general, the immediate effects of low to moderate doses of marijuana can include a feeling of well-being, relaxation, and drowsiness, sometimes combined with exhilaration and arousal. Perceptions of time, speed and distance may be slowed as well as reaction time, coordination, balance, and control. Memory may be impaired. These effects greatly decrease one's ability to operate vehicles or machinery safely. Other physical effects can

include increased blood pressure, heart and pulse rate increases, reddening of the eyes, dryness of the mouth and throat and some reported increase in hunger. Long-term effects include an increase in risk of lung damage and cancer as marijuana produces 3.8 times more tar than tobacco.

The "high" from one joint usually last for two to three hours. If the marijuana is eaten the effects may last up to 24 hrs. Urine tests can indicate marijuana in the system for individuals of up to six months after use.

For more information on marijuana, drop by the Counseling Center located in the U.C.

Furs hit mainstream and drown



By Larry Rice

Several years ago director/producer John Hughes made a film to cap off what seemed critics to be a string of successes. It was based on a story idea used for the title, PRETTY IN PINK(DUP). Besides the frinkies attempt to recreate the song to an upbeat, let's punk more AM style tune, the movie failed to gain the praise of its sensational predecessors, or the controversial BREAKFAST CLUB.

Pretty In Pink, the song, released 1981 in the rising wake of the Neopunk wave, soul-polluted relative newcomers to vinyl, Psychedelic Furs.

After an overseas compensation-by-wire floppy, two years old MIRRORMOVES, the Furs have issued to the world their new endeavor. A band known for their scratchy

voiced and a savagely punk sound with a novel eighties approach, MIDNIGHT TO MIDNIGHT smashes those expectations. Fur followers had to rival the bing pol cal FOREVER NOW.

Backed by lead singer and band founder Billie, this new disk is an obvious sell-in to the windmill generation from the PIP. But entering in the pop, teeny scene, has downed the creativity away from self-satisfying and fed the fire of the incinerator.

An obvious difference from the old Fur's artishness in the film is the direction, rather nondescript Monostereo prevails an emotion that once sang in every word of the horse vocals Butler once scraped across the blackboard. Added to the once sci-fi, now overabundant horn backline, the Furs have settled into the P.C. Synth.

NIGHT becomes the Furs meet Hall Collins on the way to a Duran Duran meets Foreigner concert. The drums have become a programmed synth, from the first song, Heart Break Beat, to the cut.

Falling into the standard formula of instrumentals, lyrics, repeat lyrics, solo instrumental, repeat lyrics and fade, this selection of canned rock is perfect for the beach.

However, although the Furs have seemed to apply the new trend of a once heavy guitar sound to all of their tracks, they have left aside the lessons in sound learned from former producers as Steve Lallywally and Ted Randregen.

A new sound for the Furs, this album is nothing to look forward to, with soundtunes found in such classics as PIP, President Gas, Run And Run left behind for a bottom-line lack of ingenuity in tunes like Heart Break Beat, Shadow In My Heart, and Angels Don't Cry.

On two planes out of five, turn off the lights guys, it's past your bedtime.

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into the P.C. Synth. MIDNIGHT becomes the Furs meet Phil Collins on the way to a Duran Duran meets Foreigner concert. The

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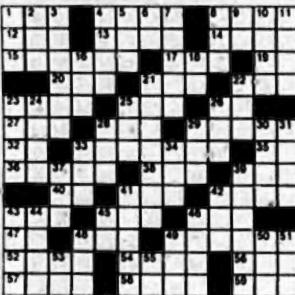
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The Puzzle



ACROSS

1 Brown kudu
4 Tense
8 Vast throng
12 Sea eagle
13 River islands
14 Poker stake
15 Kind of
firecracker
17 Everyone
19 Conjunction
20 State
21 Worthless
leaving
22 Obstruct
23 Pronoun
25 Harvest
goddess
26 Liver in Italy
27 Male sheep
28 East
29 Vanished
32 Three-toed
sloth
33 Trapping
34 Negative
35 Big
36 Perform
39 Paid notices
40 Symbol for
silver
41 Suffix:
follower of
42 Church part
43 River island
45 Gyri's
mother
46 High
mountain
47 Behold!
48 In music, high
49 Spirited
horses
52 Play leading
role

DOWN

54 Unspirited
56 Exist
57 Kite
58 Verve
59 Grain
60
61 Corded cloth
2 Native metal
3 National
song
4 Fruit cake
5 Succor
6 Guido's low
note
7 Former Rus-
sian rulers
8 Man's
nickname
9 Preparation
10 Porico
11 Fixed period
of time
16 Goal
18 Army officer:
abbr.
21 Manage
22 Click beetle
23 Snare
24 Call
25 Anglo-Saxon
money
26 Hog
28 Conjunction
29 Emmet
30 Goats
31 Portion of
medicine
33 Sink in
middle
34 Frozen water
37 Dine
38 Come on the
scene
41 Fiber plant
42 Beverage
43 In addition
44 Greek letter
45 Men's
nickname
46 Solar disk
48 Still
49 Naehor
sheep
50 Ard
51 Disease
53 Conjunction
56 Spanish
article

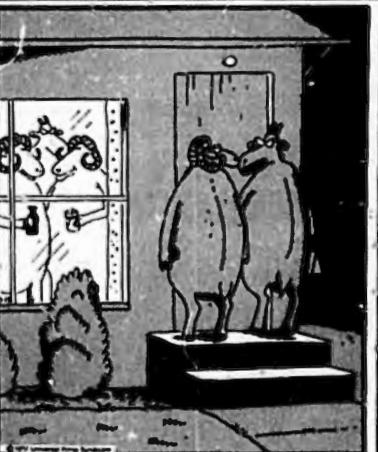
**PUZZLE
ANSWER,**
page 13

THE FAR SIDE

By GARY LARSON



Dizzy Gillespie's seventh birthday party



"Now listen — will you please try to control yourself tonight? ... I don't want to see you goading some guy into crashing heads with you."



Nov. 12, 1987: Kevin Wakefield, during snacktime, makes kindergarten history by selecting the soda cracker over the graham.



"She's lookin' good, Vern!"



Made you look!



The Hendersons of the Jungle

Collegian balcony deaths termed wasteful

By Eddie Dakke
College Press Service

DAYTONA BEACH — She brought new clothes, a swimsuit, sunglasses, all in upbeat styles. Spring break was approaching, and Laurain Day Buffington, like 265,000 other college students in 1986, was heading to Daytona Beach for fun.

The day Laurain left the Gordon Community College campus in Barrington, Ill., she acted her chemistry final. The 20 year old journalism student was even more excited about her spring break than about taking a short safety. She knew students had fallen from balconies to their deaths in several cities during previous spring breaks, that there were those who drank on high balconies. As she left she remarked, "That's crazy, I wouldn't dare hang around."

"Not ME," she said, "that's crazy. What's the thrill in that?"

But days later, Florida front page read: "A 20 year old college student from Georgia plunged to her death Thursday when she lost her grip while trying to climb to spring break balcony to another. Police report Laurain Day Buffington

fell backward onto the parking lot and died instantly." That year, Daytona Beach records, starting from 1966, show at least 28 students have fallen from balconies. Fifteen have died. The average fall is four stories. In 1984, three accidents brought one death. In 1985, three died of falls in Daytona Beach. In all, Florida students lost their lives during spring break, three by falling off balconies.

As a 1983 Kansas State University graduate who transplanted to Daytona Beach three years ago, I have now seen three spring break fatalities after safety. She knew students had fallen from balconies to their deaths in several cities during previous spring breaks, that there were those who drank on high balconies. As she left she remarked, "That's crazy, I wouldn't dare hang around."

Living in Daytona Beach, I hear talk about "what those dam kids did this time . . . I chuckle to myself, and realize that over three short years, I have done the same things myself."

But when I hear of a falling accident at a hotel just down the street, I cringe. I cringe because I know it was an ordinary student. No one unusual. No one who was trying to spring break and end his or her life.

In an effort to end such senseless carnage, there's a new state law

that allows hotels to detain a student acting in a life threatening manner. Last year, students could not be detained unless a police officer witnessed the action or had an arrest warrant.

A spring break safety committee last year also created a student "code of ethics" containing rules that students in participating hotels have to sign the code, which includes notice that it is illegal to climb over or on balcony railings, windows, roofs or ledges.

Sadly enough, students' response to the deaths in the past have only been to drink more and more.

Many feel it's not a possibility

to stop them. Like Laurain Day Buffington, they think it happens only to the crazies who have completely lost their sense.

A friend of one of last yr's victims was quoted as saying, "The night preceding was nothing really crazy; just partying and meeting people. He was a fun loving guy, but he wasn't crazy enough to jump off a balcony."

More balcony deaths have been from an unexpected loss of balance.

"It's a shame," reported the friend of another victim, "He was afraid of heights. And he wasn't afraid to take chances."

A newspaper article quoted a 1985 victim's mother. "Loosing a child is a pain that is profound and unrelenting. There's a cavalier attitude toward these deaths. People think the kids deserve what they get. We encourage the free and easy dispensing of alcohol. Then when tragedy happens, people say, 'What a drunken bum.'"

Alcohol may weaken one's judgment, certainly. But the history of balcony death shows various reasons and situations for falls. Anyone on a balcony could be pulled up in the moment and be at risk.

Here is a list of some of the high risk banister of people having fun on balconies:

"That next balcony is so close." "There's a party over there, and going balcony-to-balcony is quicker." "I'll just sit up here on the ledge."

"I'm just going to my friend, and he just made it." "If I do a handstand and go over, I'll still be fine." "I'm going to have a handstand, I'm going to lower myself down to the next floor." "The others will grab me before I go over."

"Not me. That's crazy. What's the trill in that?"

Spring break Concert Dates

March 19 1-6 p.m. *Open Center*
Country Music Jam Band, \$10

March 20 1-6 p.m. *World Street*
Wise Train, Love Train, Red Man

March 21 10-11 p.m. *Band Shuff*
Bruce Hume & His Gang, Miss Hawaiian
Tropic International Bands

March 25 1-6 p.m. *Pizza Hotel*
James Brown, Wang Chung

8-11 p.m. *Open Center*
Greg Allman, Stevie Ray Vaughan

March 26 1-6 p.m. *Banquet*
KBC Band, Til Tuesday, Crowded House

March 27 1-3 p.m. *Pizza Hotel*
John Gaffey and the Beaver Brown Band

Fort Lauderdale loses: collegians head for other ports of call

By Susan Skorupa
College Press Service

Fewer collegians are going to Fort Lauderdale for their spring break this year, officials say, but more are heading to other destinations like Bermuda, South Padre Island and Texas Beach.

Observers attribute the shift in student tastes to new minimum drinking ages, expensive lodging and even Fort Lauderdale's much tough laws against public rowdiness.

And of the collegians who are in Fort Lauderdale this month, a high percentage of them are make.

"The women complain I hear is that there aren't enough women to

go around," says Ollie Cefkin, Fort Lauderdale's police media relations director.

Cefkin expects about 250,000 students to vacation in Fort Lauderdale this spring, down from 350,000 in 1985.

The influx as South Padre Island, however, keeps growing.

"We expect a spring break of over 300,000 students this year," predicts South Padre Island Police Captain Tommy Atkins. "A situation like that you have to handle one day at a time."

"We've noticed an increase in the numbers of students in the last several years, probably because Florida went to a 21 (year old minimum) drinking age sooner than Texas did,"

says Ollie Cefkin, Fort Lauderdale's police media relations director.

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"We've noticed an increase in the numbers of students in the last several years, probably because Florida went to a 21 (year old minimum) drinking age sooner than Texas did,"

arrest rowdy students.

Last year, Palm Springs police arrested more than 1,000 students, and most arrests were involved in public rowdiness, incidents of drinking, carousing and assault.

For Lauderdale started its own

hospitable resorts.

If I were a student, I'd rather go to Canada," Cefkin says. "It's very expensive here, same accommodations are about the same. Many students end up paying \$150 a day for a room in a lousy motel where you wouldn't even want to walk your dog."

Students agree, reports Tom Smith, director of school programs for Colpus Travel agency in Dade-

ham, Fla.

Smith says the agency has several hundred students per week booked for Nassau and Bermuda through the spring break season. But a brochure promoting Fort Lauderdale brought only about four responses.

"Lots are going to the islands,"

says. "Maybe students are becoming more well traveled and sophisticated. But drinking age has a lot to do with it. When students call for information on a destination, the first thing they ask is the drinking age. If you can say it's 18, they think it's cool."

The difference is sending lots of students to the Caribbean, she says, although Daytona Beach "is doing well" because city officials there still promote it as a spring break destination.

Port Lauderdale officials, Cefkin says, aren't discounting the city. For Lauderdale, "but neither are they promoting it. We just hope to make it safer and more orderly than in past years."



Fort Lauderdale officials, Cefkin says, aren't discouraging students from coming to Fort Lauderdale, "but neither are they promoting it. We just hope to make it safer and more orderly than in past years."

Not everyone is as enthused by the prospect of hosting thousands of students bent on having fun.

Palm Springs, Calif., officials have sent brochures to colleges in Calif. and Ariz. warning they will

crackdown last year. The beefed up city ordinances against disorderly conduct and public drinking, higher drinking age minimums and stiff accommodations rates seem to be sending students in search of more

hospitable resorts.

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*Except free drink nights.

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