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Avion 1988-02-17

Embry-Riddle Aeronautical University

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ERAU alumnus returns with blimp. See story, page 8

NEWS

An Award-Winning Student Newspaper

Volume 58, Issue 4

Embry-Riddle Aeronautical University, Daytona Beach, Florida

February 17, 1988

Bobby and Davey Allison take Daytona 500 as win and place

By Terry Vining
Avion Staff Reporter

As father, Bobby Allison brings it to the checkered flag, and son Davey is only 2.5 car lengths behind in the first ever 1-2 victory for a father-son pair in Daytona International Speedway history. Dad crossed the start/finish line for the last time with Davey glued to the rear view mirror just where he had been for the last 7 laps, staying only once for a last ditch effort on the final lap between Turns 3 and 4, but to no avail. Bobby's average speed around the 2.5 mile oval was only 137,531 mph, the slowest since the second running of the 500 in 1960.

Sunday's Daytona 500 showed 135,000 spectators that restorator plates could reduce the speeds but not the thrills. Dominating the thrills was a spectacular grill-over bumper spill by the "King of Racing", Richard Petty. Petty lost control of his Pontiac Grand Prix on lap 106 of the 200-lap event and spun out of control. He was tagged from the rear by Phil Barkdoff's Ford and

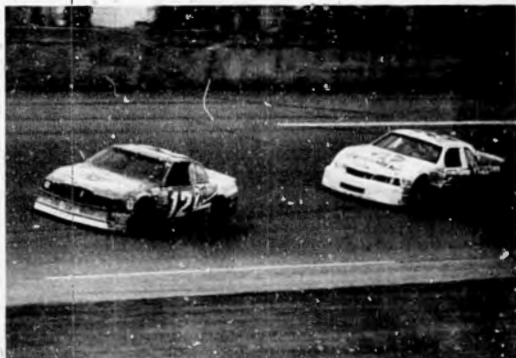
tumbled grill over bumper 7 times, ripping 20 feet of the catch fencing along the wall. Coming to a rest upright, he was then slammed by Brent Bodine's Ford, making in a six car accident. Petty was quickly extricated from his famous number 43 automobile and rushed to Halifax Medical Center where he was later released sustaining only minor injuries. Most likely he will be back racing next week in Richmond, Va.

Including Petty's spill, there were 7 yellow flags for a total of 43 caution laps.

No particular car manufacturer showed more dominance. The first through fifth finishers were: Buick, Ford, Oldsmobile, Pontiac, Chevrolet, respectively.

Last year's winner Bill Elliott couldn't get any closer to the front than the 5th spot. He finished the race in the 12th position.

Speed Weeks at Daytona is the beginning of a long season which will consist of 29 more races. The war for the NASCAR championship is still up and grabs, and with the new restorator plate, anyone can win it.



Asm photo by Rob Cline

Soviet-bloc countries consult with U.S.

By Henry Gottlieb
Associated Press

WASHINGTON — Three Eastern European countries have begun talks with the Boeing and McDonnell Douglas aircraft companies to supply long-range passenger planes to replace aging Soviet equipment in their national airlines, Deputy Secretary of State John C. Whitehead said Friday.

Whitehead, just back from a two-week trip to four Soviet-bloc countries, told reporters "my impression is they are very much interested in buying U.S. planes. It's a significant thing, psychologically. I believe - Eastern European countries flying U.S. planes."

He declined to identify the countries that expressed interest, but another official, speaking on condition of anonymity, said they were Poland, Hungary and Romania.

If deals are arranged it would be the first U.S. aircraft sales to Hungary and Poland.

In the early 1970s, Romania purchased several Boeing 707 passenger jets under a contract arranged at a time when the United States was wooing Romania in hopes of increasing that country's independence from Moscow.

The senior class project, while not mandatory, has traditionally been in the form of a gift to the University. It will be the responsibility of the project committee which is entertaining the idea of purchasing a mobile scoreboard which can be used for all of the sports activities that occur on campus.

According to Leahy, the senior class project should be "something that is both beneficial and useful to the campus community." He also stated that the committee is also "able to receive suggestions from the university."

In addition about the Senior Class Council activities and fund raising events will be transmitted through a monthly news letter which will be sent to the ERAU Box's of graduating seniors.

...they are very much interested in buying U.S. planes."

There is some navigational equipment that could not be on the planes," Whitehead said. "They would have to buy stuff that would not be on the (embargo) list."

Whitehead, the No. 2 official in the State Department, has assumed special responsibility for a U.S. effort to gain influence in countries that have been dominated by the Soviet Union since World War II.

Under the policy, the United States has offered the nations increased trade and better relations in general, in return for improved human rights performance and the initiation of free economic policies. On his latest trip, Whitehead visited Poland, Romania, Bulgaria and Czechoslovakia.

Whitehead said he told Romanian leader Nicolae Ceausescu that his country is in danger of losing special trading rights granted by Congress each year to reward Romania for its relatively free emigration policies.

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Office Merit of the Daytona Beach Police Department lectures students on how not to get arrested during Spring Break. Her major points were staying away from the bikers during Bike Week and avoiding alcohol-related incidents.

Airport shortage highlighted

By Stephanie Nizio
Associated Press

CLEVELAND — The head of the Federal Aviation Administration said Friday the nation desperately needs new airports but convincing the public to accept them is a tough task.

Allan McAnor, FAA administrator, said there were 415 million airline passengers in the country last year,

double the number of passengers in 1974, when the nation's last major airport was built.

"Unfortunately, we're running out of space to park airplanes, to load and off-load them and to service them," said McAnor, who joined the FAA last July.

"I've often said in this system of ours we have more aluminum than concrete."

Similar views on the need for more airports have been expressed by FAA officials.

Leahy and Barile, pres and vice

By Bill Fisher
News Editor

With a countdown of eighty-three days, the graduating seniors of ERAU gathered in the University Center to elect the Senior Class President and Vice President.

The meeting and election, held on February 1st, was comprised of a short introduction by Laurie Ranfos, Student Activities Coordinator, which was followed by speeches from the entertainment division, outlined his goals for the senior class as "to make this one of the most productive and best senior classes." To accomplish this goal he stated that "it will take the involvement and support of the whole senior class."

The President and Vice President oversee the activities of the Senior Class Council which does the planning and organizing for the S-Avor Class. The council has been divided into seven groups by area of responsibility. These groups, or committees, include Communications, Public Relations, Fund Raising, and Entertainment.

The International English Honor Society sponsored a Luncheon on Saturday in A-119 on Friday, Feb. 12. Students discussed issues pertinent to the senior class, the United States position, the morality of nuclear war, and the need for nuclear superiority.

The forum was chaired by Humanities department Chairman Dr. Elinore Miller.

One student gave a detailed history on the development of the technology which spawned the bomb. Another student gave vivid technical information of the damage which would occur if a nuclear barrage were unleashed on Washington state. Another student suggested that the United States should maintain superiority in nuclear and conventional weapons.

Another student stated that, although nuclear weapons were immoral, the world was also immoral since the time of Adam and Eve,

and that sometimes man must choose between the lesser of two evils. He continued to suggest that a solution might come from technology which might someday render nuclear weapons obsolete.

A \$200 prize was awarded to Many Smith, the best speaker, and judged by several members of the Humanities department staff. The speakers were judged on speaking ability and not on the quality of their ideas.

The International English Honor Society is associated with the Sigma Tau Delta Fraternity.

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TRIVIA: There is a E. J. 7171 The number fits an aircraft which normally goes by its military designation - the KC-135.

Deadly intersection: ERAU vs Daytona

The problem of accidents and difficult crossings for pedestrians at the intersection of Clyde Morris and Catalina is nothing new to most of us, but now we have a solution -- or do we?

The University is negotiating with the city and county to erect a traffic light, but this may not be the perfect solution.

Clyde Morris is one of the busiest streets in Daytona Beach, as attested to by numerous accidents. Putting up a traffic light at this "intersection of death" will slow traffic to a reasonable speed, but will it make it any easier -- or ASST building? Students leaving campus by automobile may have an easier time, but pedestrians will still be forced to face the traffic.

In addition, a light at this busy intersection might bottleneck traffic during the rush hours in the morning and afternoon. This might create only another hazard to pedestrians from impatient drivers who will charge ahead, unwilling to wait through another series of traffic light changes. Another possible solution to this nightmare could be the erection of a walking bridge to supplement the traffic light. This would enable students to cross Clyde Morris without incident while reducing the bottleneck of traffic.

In the interim, the University could implement a shuttle between the flight complex and the ASST building to facilitate safer access and reduce time enroute.

The biggest question here is are we attempting to solve the growth problems of our university with the future in mind, or are we simply applying stop-gap solutions in the name of expediency? What will it take before Embury-Riddle begins to flex its collective muscle in the Daytona Beach community in the name of the safety and welfare of its students? Will it be the death of a student attempting to cross a busy street just to get to class, or will it be the emergence of an administrator who finally has the foresight to approach the city fathers with a well thought out plan for this university's expansion.



Letters to the Editor

Incompetent instructors

To the Editor:

I believe that ERAU should assign a tighter scan on prospective CPT's. Before accepting an applicant, ERAU should test his/her communication and teaching skills. A flight instructor at this reputable aeronautical university should clearly have an eagerness to teach all of his students the essence of flying. I had the unpleasant experience of having an unqualified FA104 instructor, who proved to be a great waste of my time and money.

I began FA104 in the middle of October, 1987. I was assigned Joe Haschen as my instructor. The first flight was an initial "meeting". Joe never showed up. Then he was sick for over a week. We never did have an initial "meeting". During my first engine start-up, Joe insisted that I yell the term, "clear", over and over, because I was not loud enough. This was the beginning of my frustrating partnership with a chauvinistic, high-strung instructor.

From October 10 to November 10, I flew six times. Two of these sessions were for extra training. It wasn't uncommon for Joe to schedule me during class. One time I was scheduled for a 6-30 a.m. flight and

he never showed. Without doubt, a student cannot catch the "feel" of flying if he/she flies only once a week. Whenever I would make a mistake Joe would yell and curse at me, never attempting to alleviate my confusion. Not once did Joe take me to any local airport or allow me to observe flight, so I thought that I was the incompetent one. My self-esteem was lower than ever. I truly had never been so miserable in my life. I felt like a complete failure. Though Joe had never let me land the airplane, when he brought a training manager along, he expected me to land at Daytona. Of course, my attempt was ridiculous because I had no idea what I was doing.

Adhering to advisor rules, friends and faculty, I decided to drop Joe. Though I feared I may get someone worse, I was hoping to get a woman or an older man. I got Millard Mecklen. In essentially one week, I learned how to fly. I was taught to land, I became vaguely familiar with the local area, and I observed other flights. At this point I realized how worthless Joe Haschen was. One week later I had my FA104 prog. I earned an "A-" on the oral and a "C+" on the flight. Returning from Christmas I had five solos to do. I hear Joe Haschen is no longer an instructor for ERAU. This is a

great benefit to the students of this university. However, this letter was not meant to single out Joe Haschen. I am merely illustrating how important it is to have worthy flight instructors. I have learned from this lengthy experience, but I have also wasted hundreds of dollars and several hours of flight time. As to mention the humiliation I've gone through, I implore ERAU to make an honest effort to keep people like Joe Haschen out of the ERAU flight program. I wouldn't want any other person to have to experience the stress and self-worthlessness that I did last semester.

Carol M. Dean
Box 7254

Hats off to humanities

To the Editor:

I would like to take this opportunity to thank the members of the ERAU Humanities department for a job well done.

I recently participated in a forum on nuclear arms. In order to attract

It is a sign of the high standards of the ERAU Humanities department when the panel made an objective, unbiased award Decision.

I was glad to see Dept. Chairman, Dr. Miller, despite severe facial contortions, control several impulses to cut off a speaker or otherwise intervene. She showed a high degree of professionalism, even when certain speakers obviously erred in the factual content of their presentation.

I hope the students who were present for the forum can appreciate the example of the departments' dedication to fairness in grading.

The recent CLAST scores (ERAU's Humanities ranked 3rd overall in Florida), as well as the success of the nuclear forum, just go to show that no one can say that academics here are of any less quality because of our aviation oriented programs.

I am confident that, under the direction of competent professionals like Dr. Miller, ERAU will never become a diploma mill and the words Embury-Riddle will go on the top of your resume, regardless of

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which you enter upon graduation. Keep up the good work.

Marty Smith
Box 5648

See LETTERS, page 8

Morris Wes Oleszewski



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ERAU in just ten years

How to make college the most destitute decade of your life

By Wes Chesnowitz
Editorial Cartoonist

In the passing of the last decade at Embry Riddle, a number of changes have taken place. Such as the campus changing from a barren wasteland, to a mecca of higher education where the only thing more elusive than a Bachelor's Degree is a parking space. In this series of articles I intend to document some of these changes as seen through the eyes of an ordinary slob like myself.

On Aug. 28, 1977, just over 10 years ago, I first stepped foot onto E.R.A.U.'s Daytona campus. We, the freshman class of the fall term, were a sorry lot of highly confused aviation fanatics who really wouldn't have fit in at any other institution on the planet. This quality, of course, allowed us to fit in with the rest of the Embry-Riddle population. We were also the largest invasion of new students ever to infest the campus. Surely freshman classes since then have surpassed our numbers, but at the time our numbers nearly doubled the existing student body.

The E.R.A.U. campus of ten years ago was far from what you see today. Buildings A, C, W, and GRW were as they are today. Dorm One stood like a monolith to mildew, and both the University Center and Maintenance Complex were brand new.

There was no problem with parking on the 1977 campus. The entire automobile population fit onto an abandoned runway located where the Jack Hunt library and the ridiculous pasture that stretches behind it now reside. Additional parking was available along an abandoned taxiway running from GRW to the U.C.

The relative size of the student body can be summed up by one outstanding example...the library. This, the campus den of higher learning, occupied the western third of the first floor of A building, and that was it. Of course until the arrival of my freshman class not much more than that was needed.

NEXT WEEK: Housing the overload, The Blue Bomb, and the pain and itch of registration.



Race fans one and all... The UNOCAL 76 girls patiently wait for the beginning of the IROC Race at the Daytona Speedway. Avion photos by Ray Madson.

When It Must Be

Race fans one and all... The UNOCAL 76 girls patiently wait for the beginning of the IROC Race at the Daytona Speedway. Avion photos by Ray Madson.

When It Must Be Your Resume That Stands Out

Avion Resume Service

Open Forum

Wise men continue to learn

By Martin F. Smith

A recent phase check for FA-205 was an uplifting experience, indeed.

Most students in the flight program have learned to fear the dreaded occurrence. After this particular check, I will look forward to it.

If the student and phase check pilot's attitudes are in the right place, both persons will learn and benefit from the experience.

I felt that mutual learning took place as I started my check in the Link simulator with Mr. Ted Beneigh. The GAT room was under siege, as they were building an enclosure around the new IVEX video display for the T-303 simulator. I attempted to concentrate, despite the distraction.

Ted started his disruption of my usual GAT flight routine by asking me to tune to the LOM, instead of the Seaport NDB, as part of the cockpit check. A quick peek at the unfamiliar approach plate eliminated the problem of frequency identification. When Ted insisted that I turn the thing to "REC" instead of "ADF", I knew I was in for some fun. "Tell me relative bearing when we turn to ADF. You are here, and heading is as indicated," he said, pointing to the GAT's position on the plate. Oh well. I suppose two bad guesses out of 359 possible bad guesses isn't too bad.

I thought that this opener might set the tone for one of those checks where one screw up leads to another, but such was not the case this time. I remained calm and shifted my concentration to the task at hand. Flying professionally demands control of one's emotions and phase checks are no different. Just like in the real world, excuses will not suffice in the absence of competent performance.

The rest of the tasks seemed to go perfect, in spite of the roar of saws, hammers and other noises from the construction. Ted's voice came over the radio, telling me there were thunderstorms about and that was the real rea-

son for the noises and vibration.

"The oral portion came later in the afternoon with Jeff Salan. I had the unusual benefit of having some extra time to study right before the oral. The first key to having the right attitude is being as well prepared as possible. I breezed through the mag compass turns. A stumble in that area might have opened Pandora's box, inviting a host of confusing questions and computations.

I learned a great deal about the construction of the compass itself, and we opened the textbook to clarify any points. I was pleased with Mr. Salan's attitude, because I feel that it allowed the learning exchange to be two-sided.

I made up for any rough edges on the compass in my discussion of radio aids, (that's right, you can get it from the radio now), and explained why VOR signals are still AM in a frequency spectrum just above FM broadcast stations. I went on to explain the principal behind VOR navigation. I opted for the difference-in-the-phase-of-two-modulations-of-a-carrier-wave explanation, rather than the more common "stroke light" analogy. I have to thank my avionics teacher, Mr. E.O. Kimer. I was at a distinct advantage, being fresh out of his course. Some of our I.P.'s don't have the benefit of the rigorous academics that every Air Science degree student faces.

I think that the bottom line for phase checks here is that you better treat it like any other final. Above all, don't fake your way if you don't know. Share what you know, if you're not sure, then admit it. Instructors were all students once and will appreciate your honesty if you are well prepared. Having been students, they have a common love for aviation and can still learn from their students. Learning is an ongoing process that never stops for the wise. In my opinion, the most dangerous person you'll ever find in our sky, whether he has 20 or 20,000 hours.

Who tarnished ERAU's image? Can a new regard be instilled among Daytona Beach residents?

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...the most dangerous person you'll ever find in our sky, whether he has 20 or 20,000 hours.

Who tarnished ERAU's image? Can a new regard be instilled among Daytona Beach residents?

By Dallas S. Brooks

In the past year, I've often heard our illustrious university referred to as "the world's most expensive vo-tech." This made me stop and think: what quality is it that separates a "prestigious university" from any other type of post high school institution? Well, one of the things which separates a university from a vo-tech is that a university is expected to provide more than just the technical aspects of an education. A true university has a moral obligation to foster social responsibility and character development in its students. Unfortunately, Embry-Riddle all but refuses this obligation, and it is left to the students to seek experiences which will (hopefully) build strong character and enrich their lives.

One of the best methods of accomplishing this is also one which, sadly, is largely ignored by the student body as a whole. I'm talking about community service. Like it or not, you live here for at least eight months out of the year, and what happens in this town affects you. Embry-Riddle students have a responsibility to this community to put back a little of what they take, and for several reasons.

One of these reasons is a pretty obvious one -- public relations. Let's face it, the image of ERAU students in the Daytona area is, to say the least, highly tarnished. Many residents view us as a group of "spoiled rich kids" who have never had to work for anything in our lives. It doesn't matter if you worked for years to get that dream car, for it takes just one squeal of the tires to get you classed in this "spoiled brat" category. And while local merchants may embrace you while you are pouring money into their pockets, how many of them would willingly let you date their daughter? Not many.

Unfortunately, to a large extent this reputation is deserved, and it was earned by that immature faction that does square their tires, with their Riddle parking stickers readily identifying where they came from, or those who become foul-mouthed and obnoxious after a few drinks downtown. It was Riddle students who generated this negative image, and only we as Riddle students can change it.

It's not that hard. A little time spent helping

out a local cause or activity can not only improve the Riddle image, but can win you a lot of friends in this area.

Let's suppose, for example, that you volunteered a few hours of your valuable time each week and helped out at the Halifax Humane Society, or perhaps one of the local halfway houses for juveniles. This might "cost" you about four hours a week at best. In return you would have earned the friendship and respect of many of the finest people in the county.

This, in turn, might make you (gasp) actually look forward to returning to Daytona each fall, when you might very well make even more friends and grow closer with the ones you made before. And so on.

The size of this "snowball" effect is limited only by how far you are willing to let it go. And for you hard-core "what's in it for me?" types, don't forget that this kind of experience looks extremely good on a resume.

But perhaps the best reason for getting involved in this community is not for what other people will do for you, but for what it can do for your own self-image. There is, perhaps, no better way to feel good about yourself than knowing that you have helped further a cause that you truly believe in.

I know, you probably don't even have enough time for schoolwork, much less anything else. The primary reason you came to school was to get an education, not join the Peace Corps. But part of that education involves learning how to be an adult. Saturday night parties are a part of this process of developing your social skills. And helping others is a part of it too. For it is only through helping others that you can measure your true worth as a human being.

Our social fraternities and societies recognize this process as vital, and they give their time freely to such worthy causes as the United Way or Red Cross blood drives. But fraternities do not hold a copyright on caring. Make a time during your week and give it to some cause or organization whose work is really means something to you personally. It really doesn't hurt much once you get started. And after all, the worst thing that could happen to you is that you might just grow up a little bit faster.

Varsity sports given 'GO'

Clubs sports will also receive backing

By Mike Hotaling
Sports Editor

The sports program has been given the go ahead at Embury-Riddle. "Beginning in the Fall '88 semester, students will pay a \$25 fee with their tuition to fund a varsity and club sports program," said Robert L. Rockett, Dean of Student Affairs. The fee will be paid by all full-time undergraduate students.

These funds (about \$300,000 a year) will pay for equipment, transportation, fees, and hire a full-time varsity and club sports director. A percentage of this money will also be set aside for the construction of future facilities.

Which sports will receive funds has not yet been decided. "This decision will be based on recommendations made by the new director," Rockett said, stressing, "scholarships will not be offered for athletics."

Varsity sports will not be the only beneficiary of these funds. Club sports will also receive backing. The funding of club sports will provide students who would like to compete, but can't afford the time or financial input to compete at the varsity level.

Rockett said that he hopes "this is a solid recreational and varsity sports program will promote a general wellness concept among the student body."

President Tallman, agreeing with Rockett, said that "subsidies help a person to mature both physically and mentally."

"The sports fee will also be paid by students at the Prescott campus, with their funds being utilized mainly for recreation and club sports instead of varsity sports," Rockett said.

Future plans include the construction of a field house for basketball games and provide for an arena

for school functions such as graduation and concerts. The controlling factor to future construction is the acquisition of land," Rockett said.

The proposal for a varsity sports program was initially submitted to Chancellor Eric S. Dostin in the fall of '87. (Avion Nov. 4, 1987) This proposal stated that "the University does...maintain a clear responsibility to the student body to provide the quality enhancements that serve as the basis for the fee."

The proposal submission, and subsequent approval, was the result of increasing requests from students and faculty members for an intercollegiate sports program.

The Director of Varsity and Club Sports will be responsible for creating a quality recreation program for the entire university. "But it won't be a mandatory physical education program like everyone had to participate in in high school," Rockett said.



Avion photo by Ray Hotaling

Elliot wins 1988 IROC Daytona and sets new speed record

Elliot: "caution flag was key to winning race"

By Ray Nataro
Avion Staff Reporter

The first running of the 1988 International Race of Champions (IROC) series took place at Daytona International Speedway on Friday, February 12. The 100-mile race saw "wild" Bill Elliot, who won the pole position by a draw, lead a pack of twelve drivers from start to finish in his #15 gold camaro.

Elliot, from Dausonville, Ga., won \$5,000 for the win, plus \$3,000 in bonus lap money. Additionally, he set an IROC speed record of 186.239 miles per hour during the forty-lap race.

Elliot gave up the lead for a brief moment in turn two of the eighth lap to driver Dale Earnhardt. However, on the same lap, Chip Robinson from Oldwick, NJ, lost control and slammed the right side of his car against the retaining wall. Because of this incident, the race was delayed for several minutes.

Elliot returned to the lead on the next lap, and drove the rest of the race. He finished the race with a lead of 1.5 seconds over Dale Earnhardt.

retained the lead when the green flag signaled the restart of the race.

At the fifty-mile mark (half way through the race), Elliot, Earnhardt, Al Unser Jr., and Terry LaBonte broke ahead of the 12-car pack.

In lap twenty-eight, the race's seventy-mile mark, LaBonte pulled ahead of Unser to take the third place position. The Elliot-Earnhardt-LaBonte trio remained in that same position for the last twelve laps of the IROC race and eventually the finish.

Unser held on to the fourth place, while defending IROC champion Geoff Bodine rounded off the top five positions.

In Victory Lane, Elliot told reporters that the "caution flag was probably the key to the race" because he wound up in front of Earnhardt at the restart. This turned out to be the only caution flag of the race.

This exciting race marked the start of the eleventh season of the IROC series. The twelve races all drive identical chevrolet IROC/Z-28 Camaros around the Speedway's 2.5-mile tri-oval course.

Tues., Feb. 16th	Brevard Comm. Col.	7 p.m. - 9:00 p.m.
Sat., Feb 27th	Brevard Comm. Col.	7 p.m. - 9:00 p.m.
Tues., Mar 1st	Ohio Northern Univ.	7 p.m. - 9:00 p.m.
Thurs., Mar 3rd	Brevard Comm. Col.	7 p.m. - 9:00 p.m.
Sun., Mar. 6th	Univ. Of Pennsylvania	7 p.m. - 9:00 p.m.
Tues., Mar. 8th	Wichita	7 p.m. - 9:00 p.m.
Thurs., Mar. 10th	Ohio Valley U.C.	7 p.m. - 9:00 p.m.
Sat., Mar. 12th	Ohio Valley U.C.	7 p.m. - 9:00 p.m.
Tues., Mar. 22nd	Ohio State University	7 p.m. - 9:00 p.m.

ERAU BASEBALL

Next Game: **Tues., March 1**
Place: **Derbyshire Park (Holly Hill YMCA)**
Time: **7 p.m.**

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ERAU BASEBALL

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LETTERS

AIRPORTS

(Continued from page 2)

Light plea

To the Editor:
I would like to call attention to the absolute need for ERAU and/or SOA to demand emergency action from the Volusia County Traffic Planning Board concerning the "planned" traffic light on Clyde Morris Blvd and Catalina.
On my way to school this morning (Monday, Feb. 8) a familiar scene was on my left as I ap-

proached Catalina -- this time it was an older car, a leveled street sign and an innocent victim lying flat on the shoulder. Apparently it was an ERAU student traveling by foot to the ASSE building from the main campus. As the importance of this light is vital to simulation and meteorology students...are are their lives? Does the Volusia County Planning Board need a death to realize this emergency? The light is in the planning stages for 1989. I have personally seen at least three accidents at this dangerous intersection since Fall 1987. What next? A friend, who

has spent thousands on this valuable ERAU education, arriken down by a car, never to be able to meet the requirements necessary for his/her bright future? Does this need to happen again before action is taken?
I am outraged, but cannot lead a one woman army against the Volusia County Traffic Planning Board. I speak for a number of students who do expect a light at Clyde Morris and Catalina...immediately!!

Jennifer May Saly
Box 4297

(Continued from page 1)

been expressed by new Secretary of Transportation Jim Burnley.

McAtee predicted reliance on air travel will be even greater in the future.

"We simply have to take on the task of planning for and beginning to build, before the end of the century, a new airport network system, lest we be faced with airport gridlock in the future," he said during a speech before The City Club, which sponsored a luncheon speaker series.

But McAtee said winning public approval of new airports might be in "the long-haul-to-do jar."

Opposition comes from residents who fear new air-

ports, whether they're needed or not, will increase noise, traffic and pollution," he said. "Opposition also comes from environmentalists who are concerned about protecting wildlife and retaining public parks."

And existing metropolitan airports, McAtee said, have to resist developers who want to turn the land into housing developments or recreational areas.

He said construction of new airports will take cooperation between the FAA and local governments.

On the issue of airline safety, McAtee said air travel remains the safest mode of transportation but public perception is otherwise.

"Without question, our national air space system is the safest and most efficient systems in the world. It's also the busiest," he said.

Court ruling affecting college level newspapers

College Press Service

The recent U.S. Supreme Court decision giving high school principals more control over student papers has emboldened at least one college administrator to threaten to try to put a college newspaper under his control.

Edward A. Wagner, chairman of the Board of Governors of Pima Community College in Tucson, Arizona, called for Pima administrators to put the college's newspaper "back on the right track."

"In view of the recent Supreme Court decision, we as as the board have the right to edit or not to edit," Wagner asserted.

The court, however, specifically excluded college papers from its January ruling, which said school officials could "regulate the content" of high school papers run as for-credit courses just as they can regulate the content of other classes offered in the schools.

"The decision already has led officials at high schools in Iowa City, IA, and Cupertino, Cal., to try to censor stories out of their student papers."

At Pima, Wagner seemed to re-

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RENTALS (W/E)	PER HOUR
C150	\$32.00
C152 (12)	\$35.00
C152 IFR (3)	\$35.00
C152 Aerobat	\$35.00
C172 IFR (7)	\$46.00
C172 RG (IFR)	\$57.00

RENTALS (W/E)	PER HOUR
C150	\$32.00
C152 (12)	\$35.00
C152 IFR (3)	\$35.00
C152 Aerobat	\$35.00
C172 IFR (7)	\$46.00
C172 RG (IFR)	\$57.00
Tomahawk	\$35.00
Warriors (2) (IFR)	\$49.00
Super Decathlon (Adv. Aerobatics).....	\$85.00
Arrow (IFR) (Air Conditioning)	\$61.00
Mooney (Loaded, IFR)	\$61.00
Seminole (Twins) (2).....	\$112.00
Simulator (AST 300 S/E & M/E)	\$18.00
Complete Aerobatic Course (C152A).....	\$613.00

excluded college papers from its January ruling, which said school officials could "regulate the content" of high school papers run as for-credit courses just as they can regulate the content of other classes offered in the schools.

"The decision already has led officials at high schools in Iowa City, IA, and Cupertino, Cal., to try to censor stories out of their student papers."

At Pima, Wagner seemed to regret trying to apply the decision to his campus almost as soon as he proposed it.

"What am I saying?" he continued. "I don't want to get into the censoring business."

At least 1 other board member agreed, Wagner said Mark Webb, trying to "intimidate" the paper. "The Avion Press should be published without interference of any kind," he said.

Wagner said the Avion Press, Pima's student newspaper, needs greater guidance from school officials because of "stoddy reporting." He proposed that professional journalists "help our students by giving advice on writing positive stories."

"I don't want to hold it over their heads. I'm in no way implying we should censor. I'm saying that loud and clear. We should look at the program," Wagner said.

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ARMY Army Reserve Officer Training Corps

By Pete Ziegler
CIC/1 Army ROTC

Have you ever wondered what your life is going to be like as a 2nd Lt. in the U.S. Army? As the years go by and you are to come closer and closer to graduating and getting your commission, many questions will start to pop up in your mind. Some questions like "how do I know what branch to choose" and "do I want active or reserve duty?"

These are all good questions to ask yourself because the time comes quickly when these decisions will have to be made, and once made, they affect your life in definite terms.

Thanks to a program Cadet Troop Leadership Training (CTLT) you are able to spend three weeks upon your graduation from Advanced Camp, with a Regular Army Unit, and learn about the responsibilities and requirements of a 2nd Lt.

Choosing a branch or active duty is an important decision and you want to be sure that the correct decision is made. By attending CTLT you are giving yourself the best possible opportunity to see what makes a Regular Army Unit function and how you would fit in.

Each school is assigned a certain number of slots in various Army Branches. Cadets volunteer prior to attending Advanced Camp. Once you receive your CTLT duty assignment you will also receive a sponsor in the assigned unit who will help you get accustomed to the unit upon arrival and will assign you a duty position for your stay at the unit.

While there, you will work as a part of the unit and with the Officers and Soldiers in that unit. The experience and knowledge that you will receive will give you a better understanding of what will be required and expected of you as an officer in the United States Army.

I had the opportunity to serve as XO with Charlie Company of the 369 Signal Battalion at Fort Gordon GA. Some of my duties included assisting with and conducting daily Company P.T., teaching classes, and assisting with administrative duties of the Company. I also attended all Battalion meetings and social events. The duties you will be assigned will vary with each unit, but no matter what type of unit you are with you will gain valuable experience and knowledge that will help you in the future.



Army ROTC Color Guard presents the Colors prior to the start of the Sun Bank 24 Hour Race. The other guard members from left to right are Cadets Colors were also presented at the Busch Clash Gajloff, Nowinski, Self, Stelzky and Martinez.

PHOENIX Phoenix Yearbook

By Mike Racine
Phoenix Staff

Our staff is proud to announce that we have met our commitment to the first deadline in the production stages of the 1987-88 Phoenix Yearbook.

The Editors and staff would like to personally thank Mike O'Brien, Chris Leybold, Kim Storer, and Mike Miller for their time and effort

in writing copy, and providing photographs for the book. Additionally, staff members Bruce Perry, Jean Snyder, Ken Lucas, Dave Blalock, Karin Clark, Dave Rovka, and Ben Brennan are experienced in any phase of yearbook production, we are willing to train interested people to attend our office (University Center, second floor) and come to see what we can do for you. Photographers, Copywriters, and Ad Salespeople are needed. There are two more deadlines coming up and we could use people to do all types of jobs, everything from typing to cropping pictures. Even if you have no experience in any phase of yearbook production, we are willing to train interested people to attend our office (University Center, second floor) and come to see what we can do for you. Photographers, Copywriters, and Ad Salespeople

ΣΦΔ

By Kevin J. Collins
Historian

Last weekend we enjoyed our first social activity, a Saturday night luncheon party, which turned out to be extremely light. Special thanks to Brother George for personally donating his television to the house-or you'll be getting the old one fixed.

On February 27 Sigma Phi Delta will have its first fundraiser, a quality carwash on the corner of Volusia and Ridgewood—make plans to be there.

On February 27 Sigma Phi Delta will have its first fundraiser, a quality carwash on the corner of Volusia and Ridgewood—make plans to be there.

Pell Grant checks may shrink

College Press Service

WASHINGTON, D.C. — Pell Grant checks for millions of students during the 1988-89 school year may get smaller, or vanish entirely, the U.S. Dept. of Education warned colleges around the country.

As many as 53,000 low-income students could lose their Pell Grants while 1.2 million students could get smaller grants next year because the government is about \$99 million short in its grant budget, the administration warned.

In a Feb. 1 "Dear Colleague" letter to campuses, Education Dept. officials blamed Congress for the shortfall, saying it raised the maximum Pell Grant to \$2,200 for 1988 without appropriating enough money to give students that much more.

To solve the problem, the department said it would either shave \$31 off every Pell Grant recipient's check next year, or cut as much as \$400 from "least needy" students so the

"most needy" students could get the full \$2,200. The letter warned the department was giving Congress

Add for drop-outs in jeopardy

Education Sec. William Bennett said the measure, which will require repeal of a law, would help keep for-profit trade schools from consuming an unfair portion of the federal student aid available each year.

Bennett claimed the trade schools will accept high school dropouts while the federal funds

In a report to Congress, he added the schools will recruit students from a "unemployment

until April 30 to come up with more money, or it would start cutting "least needy" students off the Pell

Grant roles for next year.

"They're telling us that, if we don't do something, they'll do something harmful," complained Gray Garwood, chief aide of the House Postsecondary Education Subcommittee.

Garwood doubts Congress could meet the deadline -- which the Education Dept. says is necessary because it must establish final Pell Grant payment schedules by April 30 -- and questions the department's numbers.

Congress, depending on a Congressional Budget Office (CBO) estimate, budgeted \$4.2 billion to give out in Pell Grants for the 1988-89 school year, Garwood said.

But the Education Dept., using different estimates, thinks it'll have to give out \$4.5 billion in Pell Grants.

CBO estimates, said Charles Saunders of the American Council on Education, have proven more accurate in the past.

LEARN BARTENDING

Learn bartending at the new place... Congratulations to Joe Pietrowski and Dave Swisher who have both taken this first great step to brotherhood by being initiated as pledges.

On February 27 Sigma Phi Delta will have its first fundraiser, a quality carwash on the corner of Volusia and Ridgewood—make plans to be there.

HOLY SMOKE!

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until April 30 to come up with more money, or it would start cutting "least needy" students off the Pell

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SDI test element fails on newly launched satellite

Associated Press

WASHINGTON — A research satellite launched last week to test elements of the proposed "Star Wars" anti-missile shield failed in a secondary tracking exercise when an optical sensor gave false data to two on-board computers, an Air Force official said Friday.

Air Force Col. John Owen, assistant director of the Strategic Defense Initiative's kinetic energy office, said an optical sensor on Delta 181, a satellite used to test "Star Wars" sensors and trackers, gave flawed data when it tried to track target objects that were beyond its range.

Owen said the sensor data went into the computers, causing them to respond inappropriately. He said the flaw was detected within an hour and the computers were told to ignore the data. This corrected the problem.

Some of the test data on the system was lost because of the problem, but Owen said the loss was minor because the tracking exercise was a secondary objective. "In the fundamental mission we succeeded," he said.

Delta 181 was launched Feb. 8 from the Kennedy Space Center and spent 12 hours conducting a series of tests to gather data needed to refine the SDI, or "Star Wars," anti-

missile system.

Program manager Andy Green last week called the flight "a very successful mission."

However, Aviation Week and Space Technology, in a story prepared for Monday publication, said the satellite was unable to complete "battle management fire control computations."

The magazine blamed the problem on the computers, but Owen said the flaw actually was caused by the optical sensor attempting to lock onto an object beyond its range.

Sensors on the satellite were used to track 14 sub-satellite targets released in two groups from the Delta.

Owen said the problem developed when the optical sensor located an object, looked away, and then tried to relocate the original object. By then, the target had moved beyond the range of the sensor.

The tracking test using the optical sensor was halted when the fuel budgeted for that exercise became exhausted, Owen said.

He said an infrared sensor also failed to function properly, but infrared data was collected by a backup system.

Owen said only about three percent of the data collected during the 12-hour mission of Delta 181 has been examined.

Poor security found within shuttle booster agency

Associated Press

HUNTSVILLE, Ala. — At least 5,000 people without proper security credentials had access to space shuttle facilities, while safes meant for secret documents at the Marshall Space Flight Center (MSFC) were being used for coffee and wine and, according to a newspaper report, "MSFC security practices for the control of classified documents and material were not adequate to meet the minimum standards ... required for the protection of national security information and material," a National Aeronautics and Space Administration security audit concluded last year.

"These security violations increase security risks at MSFC for the potential loss or compromise of classified national security information," the audit said, according to Tuesday's editions of The Huntsville Times. Marshall Space Flight Center officials, responding to questions

about two audits, said they have reduced security clearances and hired two security professionals as steps toward eliminating weaknesses cited in audits.

"You're assuming a rampant problem, which the reports don't show. I think it reflects we had some weaknesses," said J.A. "Woody" Bethay, executive assistant to Marshall Director J.R. Thompson. He said the quantity of classified material at the center is "relatively small."

The newspaper reported that a September 1987 audit concluded that as many as 15,000 people with access to space shuttle components and facilities at Marshall and at Marshall contractor locations had not received proper security briefings and training.

A February 1987 audit said sensitive government documents were left unsecured for up to eight months at Marshall at the same time that unclassified reports, framed awards and coffee mugs were being kept in safes meant

for secret documents, the newspaper said.

"We are implementing or have implemented all the recommendations," Bethay said. "I was disappointed they found any weaknesses at all. I was surprised they found as many weaknesses as they found."

In addition to completing a 100 percent "eyes-on" security audit, the percentage of workers with security clearances has been reduced from 70 percent to roughly 40 percent, Bethay said.

Deputy Security Chief Bradley Waits said all classified information has been moved to the most secure containers available. The list of custodians responsible for documents has also been updated.

Waits also said he has also hired two more security professionals. He plans to do unannounced, surprise periodic checks of security facilities and personnel.

The most recent audit said at least 5,000 and possibly as many

as 15,000 employees had not received proper security briefings and training.

Among them were 1,000 people who work at Marshall in the Huntsville Operations Support Center and the Central Communications Building, both of which support shuttle launches.

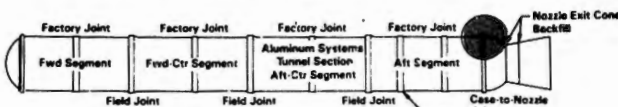
The reason for the violations, the first report stated, was "laxity" or "lack of proper indoctrination."

In the most serious violation, seven packages, each containing 181 sheets of microfilm classified "Confidential," were left unsecured for as long as eight months, the report stated.

The microfilm included Air Force, Army, Navy, Central Intelligence Agency and National Security Agency information. Each package contained 4,205 confidential radio frequencies, according to the authors' special tests and analyses, the report stated.

Marshall employees had retained permanent secret security clearances they no longer need.

Space Shuttle Booster Diagram



The failed case to nozzle bolts are seen in the shaded areas. The field joints are constructed at the Kennedy Space Center and were the cause of the 51-L accident. They have since been successfully remodified.



NASA employees install the fairing around the SDI satellite that partially failed after last week's launch aboard Delta 181.

President Reagan states new outerspace policies

Associated Press

WASHINGTON — Under the administration's new space policy, President Reagan:

- Plans to request \$100 million in his fiscal 1989 budget for a major new technology development program, "Project Pathfinder" for manned or unmanned missions beyond Earth's orbit.

Announced the federal government's intention to lease space as an "anchor tenant" in a privately financed orbiting facility suitable for research and commercial manufacturing.

Committed the administration to efforts to include in the space shuttle's cargo bay, in the early 1990s, commercially developed, owned and managed "middeck" modules "Spacecab."

Promised to establish a National Microgravity Research Board to coordinate opportunities for research

under near-weightless conditions.

Said the government will make available for five years the expended external tanks of the shuttle fleet at no cost for uses as research storage or manufacturing in space.

Said NASA will "clarify and strengthen" the federal commitment to private investment in the space station program.

Encouraged the development of commercial remote sensing systems, including government purchases of such data from private firms.

Ordered federal agencies to buy single-site rockets directly from private firms as much as possible.

The field joints are constructed at the Kennedy Space Center and were the cause of the 51-L accident. They have since been successfully remodified.

Morton Thiokol must examine bolts inside booster

National Aeronautics and Space Administration

NASA and Morton Thiokol are examining 72 bolts in the interior of the Space Shuttle solid rocket motor nozzle. The bolts, which measure 3/4" by 1 1/2", attach the nozzle flex housing to the nozzle's flex bearing assembly.

Replacement is being considered because the bolts are threaded all the way to the bolt head instead of having a smooth bolt shank. A smooth shank may be preferred to assure that special Sta-O-Seal washers located under the bolt heads seal properly. The washers form a secondary seal intended to prevent gas leak-

age past the attachment bolts should there be a leak past the primary O-ring seal in this joint. The washers were added as part of the overall SRM redesign for additional seal redundancy, even though the previous single seal design has never experienced any difficulty or distress in any motor's ground test or flight motor

testing.

Preliminary tests at the equivalent of full motor pressure have shown no external leakage with the current bolts. As a precaution, however, further special tests and analyses are being conducted to determine if replacement of the bolts and seals is necessary.

Test of deliberately flawed booster a success

Associated Press

HUNTSVILLE, Ala. — The test-firing of a deliberately flawed space shuttle booster rocket showed the propulsion system should not happen again, NASA engineers said.

Hot gases were allowed to lick through deliberately flawed joint sealings and reach the primary O-ring, a simulation of the fiery Challenger disaster that killed the seven crew members Jan. 28, 1986.

"We did not leak externally," said Jim Thomas, technical assistant to the manager of the solid rocket motor project at Marshall

Space Flight Center, where the test was conducted Thursday morning.

He added: "This test would have prevented another Challenger."

John McCarty, director of the propulsion laboratory at Marshall, said the test was "100 percent successful."

The test lasted about two minutes, the duration of the booster rocket burn in an actual shuttle flight. Challenger exploded 73 seconds into its launch.

The test, witnessed by National Aeronautics and Space Administration officials and observers at the flight center, ended with jets of smoke visible as pressure was released.

McCarty said the final assessment of the redesigned rocket booster's performance during the test will not be made until the parts are disassembled. McCarty said that could take several days.

"The thing we'd like to do is demonstrate the ability to withstand flaws," said Keith Coates, solid rocket motor chief engineer at Marshall.

As part of the test, the hot gases were allowed to reach the primary O-ring to determine if the sealing would keep the gas contained. "What will surprise me is if there was damage to the secondary O-ring," Thomas said.

NASA officials said the test was the first using intentionally flawed parts would help determine if the redesigned joint-

sealing system can work despite a malfunction.

Engineers said the test was more successful than the first test of the 52-foot-long rocket booster segment last Nov. 19 because the so-called "side loads" did not work in the first test.

In the test-firing, about one million pounds of weight is simulated on the top of the three booster segments, and on the three mechanical arms perform pushing and pulling motions, simulating the weight and the flex experienced by the boosters during launch.

NASA plans another test in March and a final full-scale firing in Utah April 6 prior to an August launch. Six other tests are planned after flight tests.

Proposals selected for space exploration

National Aeronautics and Space Administration

NASA has authorized studies to determine the feasibility of launch-midsize-size scientific experiments. For the past 10 years, an explorer mission — the International Explorer — has provided a continuous stream of data on numerous astronomical objects, most recently the nearby Spengler.

Currently under development are several explorers to be launched in the early 1990's to study the com-

microwave background, extreme ultraviolet from nearby stars and transient x-ray sources.

One or more of the new studies could result in a mission to be launched in the mid-1990's by the Space Shuttle or by expendable rockets. The selected studies, chosen from 44 submitted, propose the following:

A study of the ultraviolet spectrum of distant quasars and other

by a spacecraft called the Lyman Per Ultraviolet Spectroscopic Explorer. The principal investigator is Dr. H. Warren Moos, of Johns Hopkins University, Baltimore, Md., heading a team of 19 other scientists in 14 U.S. and European research centers.

NASA goes for Mars mission and private ventures

Associated Press

WASHINGTON — The Reagan administration's new national space policy is intended to put U.S. business into orbit and American astronauts on other planets beginning with Mars.

The policy, outlined Thursday by administration officials, calls for an initial \$100 million federal investment to develop technology needed to mount expeditions to other planets in the solar system. It also provides for more commercial activity in space and authorizes private rocket launches, once the province only of NASA.

James C. Fletcher, head of the National Aeronautics and Space Administration, said Reagan's space policy adds "a major new thrust" to the civilian space effort.

"The policy clearly establishes that, for the first time, the United States has a long-range goal of extending human presence and activity beyond Earth orbit and into the solar system," Fletcher said at a White House news conference.

The plan envisions creation of a scientific base on the moon around the year 2000 and a Mars mission in the early 21st century.

The policy also gives both the Department of Commerce and the Department of Transportation roles in the commercialization of space.

"It shifts the major responsibility for space development from public to the private sector," said Commerce Secretary C. William Verity.

Jim Burnley, the transportation secretary, said his department has approved the nation's first commercial launch license. The license will permit Conastec, Inc., a company based in Lanham, Md., to launch a series of sounding rockets from White Sands, N.M., for an unnamed European industrial company, Burnley said.

Fletcher said President Reagan also has re-emphasized his support for NASA's plan to build a permanent space station in orbit.

But the policy also obligates the space agency to lease up to 70 percent of a space module that will be developed by private industry. Fletcher had said previously that

NASA had no need for the module, and some in the space agency feared that it would drain money from the space station project.

Fletcher said Thursday that, although NASA would be obligated to spend up to \$140 million a year to lease room on the privately owned module, the money is to be an "add-on" and not part of NASA's planned budget.

In the budget proposal he will make Feb. 23, Congress next week, the president plans to ask for \$1 billion for the space station. NASA had asked for nearly twice that much.

Fletcher said he expects to complete a contract within 150 days to lease space aboard a commercially developed space module, which will be carried into space by NASA's shuttle. Fletcher said there will be open competition for the contract.

Space Industries Inc. of Houston has a long-standing agreement with NASA for launch of an "Industrial Space Facility" and is thought to be a leading candidate for the module contract. Before the 1986 Challenger accident that grounded the shuttle fleet, NASA had agreed to

place a Space Industries module into orbit.

For fiscal 1989, the administration has requested \$11.3 billion for NASA, up from about \$9 billion this year. The figure includes money for "Project Pathfinder," which is to study technology for establishing a scientific base on the moon, perhaps about the year 2000, and for dispatching a manned mission to Mars early in the 21st century.

Also included in the policy is a plan for NASA and the Defense Department to develop a new, cost-effective unmanned rocket system due to launch payloads weighing between 150,000 and 200,000 pounds.

America's ability to put satellites in orbit has been crippled since the Challenger accident because the agency had depended upon the shuttle for all major U.S. satellite launches. Flawed systems in the shuttle have been redesigned and now are being tested. Shuttle flights are scheduled to resume in August.



After photos by Chip Sullivan

As a part of its beginning festivities of the Daytona 500, Balloons By Terry, Inc. released over 3,000 balloons into the sunny skies. The release came at the infamous start of any race; "gentlemen, start your engines!"

USSR sets long range goals in near-earth orbit

By Michael Fied
Staff Reporter

Project Apex will continue a story on an announced Soviet study of the earth's magnetosphere and solar eruptions.

Apex will be launched in 1989 and is an acronym for active plasma experiments. The project is to study the electrodynamic connection between the auroral ionosphere and the magnetosphere.

The method to be used will use an electron beam being injected into the near-earth plasma. Scientists will then study the interactions of the beam and the plasma.

Data will be simultaneously col-

lected from balloons and rocket observations. The three methods of data collection will give scientists measurements from the altitude of the satellite down to the earth's surface.

The final project in low-earth orbit is the *Coronet* Project. It is a study of solar activity from low-earth orbit. A satellite to be launched in 1990-1992 will study solar eruptions.

The satellite will carry an x-ray telescope and a heliometer to determine the origin of the eruption.

The study falls under the category of heliogeophysics, which is a new branch of solar physics to study solar oscillations.

NASA

(continued from page 9)
star physics, supernova dynamics and nucleosynthesis by a spacecraft called the

Nuclear Astrophysics Explorer (NAE). NAE would obtain high resolution observations of gamma-ray lines, reflecting the chemical and physical state of an object, with instruments 100 times more sensitive than those currently in space.

The principal investigator is Dr. James L. Blanton of the University of California, San Diego, heading a team of 22 scientists in eight institutions in the U.S. and France.

A study of particles of solar, interplanetary and galactic origins by the Advanced Composition Explorer. The principal investigator is Dr. Edward C. Stone, California Institute of Technology, Pasadena, working with co-investigators from American and European universities and NASA scientists

from Goddard Space Flight Center, Greenbelt, Md.

A study of the chemical composition, energy levels and atmospheric motion in the mesosphere and lower thermosphere by the Mesospheric Thermosphere Explorer.

These near-earth regions are above the upper limits of balloon experiments but below satellite altitudes and therefore, are largely unexplored. The principal investigator is Dr. Paul B. Hays, Union, with co-investigators from the University of Colorado, Boulder, and NASA's Langley Research Center, Hampton, Va.

The Astrophysics Division of NASA's Office of Space Science and Applications, Washington, D.C., will provide overall program management. Goddard is the project management center.

New weather criteria set

By Mike Hotaling
Sports Editor

NASA, in cooperation of the Air Force, has changed the launch weather criteria for all launch programs, whether it is a Space Shuttle launch or an unmanned launch.

These constraints are the result of a loss of an Air Force Atlas rocket from a lightning strike last Spring. Pending the new criteria, Delta III will not be launched through precipitation (except when the result of a lightning strike last Spring, within 10 miles of a 4 ft diameter, or through any cloud having an electric field greater than one

kilovolt per meter. Other constraints include launching through clouds over 4,000 feet in depth, through a cloud recently associated with a thunderstorm, through a cumulus layer, or when any type of lightning is present.

All launch team members are now receiving basic training in meteorological forecasting to help determine the go-no-go decision. Weather reconnaissance aircraft, including the shuttle training aircraft, and weather balloons will be used to determine the meteorological situation, except in the case of a clear-sky launch.

GATOR

of the beam and the plasma scientists will be simultaneously col-

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Space Tech needs writers!

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End called for "cake" classes

Education Secretary, Bennett wants end to trendy courses

College Press Service

U.S. Secretary of Education William Bennett, long a critic of who and how colleges teach students, blasted campuses last week for approving faculty "trashing of Plato and Shakespeare" in favor of trendy courses that don't do students any good.

Speaking to the convention of the National Association of Independent Colleges and Universities—a group representing private campuses around the U.S.—in Washington Feb. 4, Bennett warned "the serious voices are being drowned out by the trendy lightweight in our midst."

Many of the campus presidents assembled to hear the speech were angered.

"It wouldn't be a college," said George Drake, president of Grinnell College in Iowa, "unless we provided an arena where nonsense could be spoken, debated and, conceivably, refuted."

American University President Richard Berezansky, while conceding many schools leave their cur-

ricula with nonclassical courses and that not all campus teachers always are erudite, noted, "there are even a few government officials who say foolish things. I think I heard one this morning."

Sidebar: 'Advanced class cutting' for credit

College Press Service

While many college presidents vehemently disagreed with U.S. Secretary of Education William Bennett's Feb. 4 assertion that some courses don't belong on serious campuses, virtually every school in America apparently has offered some classes that don't seem narrowly aimed at academic literacy.

Pomona College in California, for example, offers "Principles and Practice of Pagan Magick," taught by a real-live witch. One of the most popular courses at the University of Alabama was "Home Brewing World Class Beer," until state Alcoholic Beverage Control Board shut it

down last year because it violated a Prohibition-era statute about home-brewing beer and wine.

In 1985, the University of New Haven offered "Introduction to Nuclear Weapons," a do-it-yourself course on how to build a nuclear bomb. Cuyahoga Community College in Ohio is the place to be for aspiring disco owners: it offers classes on how to make it in the nightclub business, covering everything from lighting, sound and video to marketing.

San Francisco State offers "The Bay Area Music Industry in Historical Perspective," a review of the Grateful Dead, Jefferson Airplane and Blue Cheer.

But perhaps the class most likely to inspire Bennett's ire is offered through the University of Missouri's Adult Extension Program. "Advanced Class Cutting for the Over Committed" guarantees no bells, no grades, no class. The course description advises students to just "put it on your calendar and don't go."



Catch as catch can...

Daren Rhoades and Chris Bovats of the RC Model Club try out their gliders in the U.C. The wooden gliders weigh only 2.5 grams and are capable of over 2 minutes of rubber band

powered flight. The club, along with AIAA, will be holding a contest Feb. 23 with three categories: Glider - Endurance, Glider - Distance, and Freestyle. The entry fee is \$1.

Avion photo by Ramp High

“Mom says the house just isn't the same without me, even though it's a lot cleaner.”



Liz Corsini • Boston University • Class of 1990

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IN WORLD AERONAUTICS

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Among the 70 pilots of England, the nine members of the United States team stand out. As your 1986 U.S. National Aerobatics Team pilot, it's yours to fly. As aerobatics in and out of the U.S. you can take on the world in Canada to August 1988. The one becomes part of our team "light" and fly with us in the World Cup competition. It's out the team talks and send in your fan dedication contribution today. Thank!

Greg McHenry
1986 U.S. Aerobatics Champion

AERONAUTICS AND CLUB is a 501(c)(3) non-profit organization. The 1986 aerobatics team is a team of the United States team and the United States team.

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Notices

CASHIER OFFICE HOURS

Effective March 1, 1988 the Cashiers Office will have new operating hours:

8:30 a.m. to 11:00 a.m.
11:30 a.m. to 3:30 p.m.

The new hours will provide four student windows and one university transaction window. All windows will remain open during the above operating hours.

MA/PS SEMINAR SCHEDULE

Feb 19 (F) Dr. Zoubir Benzaid—Controlability of Linear Systems, 1330 Riddle Theatre
Feb 26 (F) Dr. G.G. Stijvo—Gravity Wave Modulation of Atmosphere, 1330 Riddle Theatre

Mar. 4 (F) Dr. Frederick Elston—Other Inequalities, 1330 Riddle Theatre
Mar. 28 (F) Dr. Alexander Kaveri—Super Symmetry, 1330 Riddle Theatre
April 8 (F) Dr. Christopher Phelps—Frames of Reference, 1330 W310
All seminars are scheduled at 1:30 on Fridays. Everyone is cordially invited. Students welcome.

SCUBA CLUB

Welcomes all new and old members to see the movie *The Deep* at 7pm Monday Feb. 22 in A101. The movie along with the popcorn and soda will be free. If you wish to join the Scuba Club you must attend this meeting and bring a club fee of \$10. We have great trips and activities planned for this, so, don't miss it.

SCHOLARSHIP APPLICATIONS

The Financial Aid Office is currently accepting applications for institutional scholarships for the 1988-89 academic year. Applications have been mailed to all students with a 3.00 or higher g.p.a. Applications may also be obtained in the Financial Aid Office. The deadline date for submitting the scholarship application is March 15, 1988.

LIFEGUARD POSITIONS OPEN

The National Park Service is accepting lifeguard applications for positions in New York, Long Island, New Jersey and Massachusetts. Applicants must be U.S. citizens, have work or education experience and have a physician's letter indicating the applicant is in good health to take the test.

Information and applications are available by writing Surfguard Program, Gateway National Recreation Area, Floyd Bennett Field, Brooklyn, NY, 11234, or calling the toll-free number 1-800-NPS-WIM from outside New York City starting Feb. 12. Applicants in New York City should call 718-338-3670.

SUMMER GRADUATION

The final Summer graduation will be held on August 20, 1988. If you are a student completing your degree requirements some time during the Summer semester, you are accepting applications to the Registration and Records office and you will receive a Preliminary Graduation Evaluation from us before the next Advanced Registration, to be held during the latter part of the Spring Semester.

INCOME TAX HELP

Free income tax assistance is available to anyone every Monday evening from 5 p.m. to 8 p.m. in A-111, Ms. Wilson, Assistant Prof. of Business Administration, will be running the volunteer income tax assistance program with the help of her students. If you have any problems with your W-2 or your 1987 income tax forms, come by any Monday night until April 15.

SOCCER TEAM NEEDS PLAYERS

The Hellenic society of ERAU 'ICAROS' will be sponsoring, in cooperation with the Recreation dept., a soccer tournament for the Spring Trimester. Anybody who is interested in participating should contact the Recreation Office or the Hellenic club through student activities. At the Recreation office, rosters and a copy of the regulations rules can be acquired. Good luck to everybody, hope to see you on the soccer field.

SCHOLARSHIPS FOR SENIORS

- Rules:
- 1) Choose one of the four topics.
 - 2) Essay must be limited to 2000 words (roughly 5 typed, double-spaced pages) longer essays will not be considered.
 - 3) Essay must be submitted with a scholarship application form which can be obtained from the National Center.
 - 4) Essays must be postmarked on or before April 8, 1988.
 - 5) Scholarship applicants need not have applied to the National Center to be eligible to win. However, winners must attend the National Center for Paralegal Training to utilize their scholarships.
 - 6) Applicants may still be enrolled in undergraduate school at the time they enter the competition. However, winners must be graduates of a four-year college or University at the time they utilize their scholarships.

For additional information, please contact The National Center for Paralegal Training, 3413 Peachtree Road, N.E. Suite 528, Atlanta, GA 30326, or 1-800-223-2618.

- Topics:
- 1) Should surrogate parenting contracts be enforceable? If so, when? If not, why not?
 - 2) Should there be a limit on the number of justices that one president can appoint to the U.S. Supreme Court?
 - 3) How does the separation of church and state doctrine interact with the government's authority to regulate evangelical television broadcasts?
 - 4) Has the U.S. outgrown the need for labor unions?

FINAL NOTICE FOR APRIL GRADUATES

Applications are being accepted in the Registration and Records Office for those students anticipating SPRING '88 Graduation. We must receive a completed application in order to place your name on our Diploma Order. The deadline for accepting these applications is February 19, 1988. Any application received after that date will not have their diploma ordered until after the graduation date and their name will not appear in the Commencement Program, having registered for GR 401.50 for Spring '88 is not enough, we still need that completed Graduation Applications Step into the Registration and Records office, and you will receive a Preliminary Graduation Evaluation from us before the next Advanced Registration, to be held during the latter part of the Spring semester.

Community Calendar

- 1-29 Daytona Beach Jai-Alai - 252-0222
- 1-29 Daytona Beach Kennel Club - 252-6484
- Exhibit: Confiscated: Trade In Endangered Species-Museum of Arts and Sciences - 255-0288
- 1-29 Exhibit: Women in Art: Fonchen Lord-Museum of Arts and Sciences
- 17 Shalom '88-Israel's Greatest Performers, Peabody Auditorium, 7:30 pm - 252-2386
- 18-21 Retirement Expo--Ocean Center - 254-4548
- 18-21 SMT Dinner Theater--Gershwin! Treasure Island Inn, 12 noon - 252-6200
- 19-21 Daytona Playhouse Send Me No Flowers, 8 pm - 255-2431
- 22 Childrens Theater The Return of the Scarecrow, DBCC Theater Center - 255-8131
- 23 Travelogue Series, Hungary! Home coming, Peabody Auditorium, 7:30 pm - 252-2386
- 24 The Roar of Grapesaint, The Small of the Crowd, DBCC Cultural Arts Center - 255-8131
- The Jacksonville Symphony Orchestra with Piano Soloist Gustavo Romero, Peabody Auditorium, 8 pm - 252-8326

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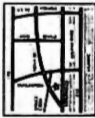
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Ads show myth of beer & men Connection between beer, masculinity and driving

By Theresa Humphrey
Associated Press

NEWARK, Del. — To be a "real man" in American culture, and respected by other men, men must drink beer, according to an analysis of television beer commercials called "Myths, Men & Beer."

Beer commercials promise drinking and driving, and the image of the macho man, leaving unhealthy impressions on impressionable youths, according to Lance Strate, one of four authors of the study, published last fall by the AAA Foundation for Traffic Safety.

The study calls for a ban on television beer commercials.

The beer industry has called the study preposterous and laughable.

According to the study, children between the ages of 7 and 18 see about 100,000 beer commercials. The study analyzed "cultural myths and messages" in a sample of 40 beer commercials in February and March 1987, including the relationships among beer, masculinity, and driving represented in the commercials and the implications for children's attitudes toward beer drinking and driving.

"Overall what we've tried to do is to see what kind of values and myths (beer commercials) contained," said Strate, who teaches communications at the University of Connecticut and Adelphi University.

Adults already know the message so they don't necessarily pay attention to the commercials.

"But from a child's point of view, beer commercials are a manual on how men are to act," said Strate, who presented the findings at a conference on drunk driving recently at the University of Delaware. The message is different as children get older, he added.

"They say beer commercials are targeted to mature adults and not children. But with television, we should assume children are watching," Strate said.

Donald B. Shea, spokesman for the Beer Institute in Washington, said one sentence in the book "would be laughable" had it not been one of the major conclusions.

"We were referring to the statement that the beer commercial man is a stereotype or a composite of stereotypes."

"We found no sensitive men in beer commercials - nor any thoughtful men, scholarly men, political men, gay men, or even complex men. We found only one-dimensional men - which is, of course, what stereotypes are," the book says.

"What do they think a commercial is? It's only 30 seconds," said Shea, adding a beer commercial is only an attempt to sell a product.

"Study says young men see racing and drinking as masculine behaviors"

He said the Institute, a trade association for the nation's largest domestic brewers, is a "repository of voluntary guidelines between brewers and for good taste in beer ads."

"We're distressed when we see research of this kind, because first of all, it is research and opinions about specific individual commercials, which the authors generalized to represent everything," said Alan G. Easton, spokesman for Miller Brewing Co. in Milwaukee.

"The alleged effects of television advertising on the serious issue of abusive consumption, and that includes underage consumption, is a matter of continuous scrutiny, including federal government hearings," Easton said.

"The last round of hearings in 1985 concluded there simply is not a cause and effect relationship," he said.

One of the Budweiser commercials in the study shows a racing and speedboat, with a male voice singing, "Bad thunder's coming through! This Bud's for you." The

beer is never shown in the commercial.

The study contends any association between beer and racing is troubling, given the widespread problem of drinking and driving.

The study says young men see racing and drinking as masculine behaviors, with both involving a challenge to overcome - holding one's liquor and maintaining control of an auto.

"The intent and effect of our advertising is to encourage consumers to choose our product over those of our competitors," said Stephen K. Lambright, vice president and group executive for Anheuser-Busch Companies in St. Louis.

The study says Colt 45 commercials, in which actor Billy Dee Williams is trying to lure attractive women, "mirrors the popular notion among young men that getting a woman drunk increases her desire for and willingness to engage in sex."

The study says the notion of the woman wanting sex is reinforced in another Colt 45 commercial, entitled "Billy Dee Williams on body language." The actor is at an outdoor party, and describes the "body language" of a woman sitting at a bar, who poses herself a drink and everyone "knows what that means."

According to the study, what is implied is that "any woman who would sit by herself and drink must be looking to get picked up. She is sending out signals and preparing herself to be seduced."

The study, however, says the Colt 45 commercials are most blatant about the "myth of black sexual superiority interwoven with male fears of sexual inadequacy and fantasies of super-stud success."

Shea took issue with the Colt 45 analysis. "I wonder if they're bringing their own prejudices there. Billy Dee Williams is an attractive man. Their analysis that there is some sort of racial overtones is way out of line," Shea said.

Applications for Student Government

32019



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Applications for Student Government positions are now being taken

- Stop in the SGA office and pick up an application.
- Applications due Feb. 19
- Elections held March 24

■ Must have been at least part time student on this campus holding a minimum of 6 credit hours for at least 1 full semester prior to running for office

■ Transcript of grades must be attached to Petition upon submittal

■ Must currently attend this university, holding a minimum of 6 credit hours

■ Must not have previously held an official position within any of the SGA divisions whereby he/she was forced to resign or impeached by the executive board of that division

■ Must have a 2.5 cumulative grade point average or better

■ Must attest in writing to the intent of remaining an undergraduate student with no less than 6 credit hours through his/her term in office

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Marijuana found very harmful

Study finds marijuana smoking is worse than tobacco smoking

Associated Press

OSTON — One marijuana cigarette is as bad for the body as four or five ordinary cigarettes, and regular pot users may face the same lung cancer risk as pack-a-day smokers, says the author of a new study.

"Our study deflates somewhat the myth that smoking just a little bit of marijuana can't be that bad for you compared with tobacco, since tobacco smokers generally smoke far more," said Dr. Donald P. Tashkin. The reason is the way pot users smoke, tending to take deep puffs and hold them in.

The new study found that this style of smoking means one joint, or marijuana cigarette, deposits four times as much tar in the lungs as one filtered tobacco cigarette. And it results in five times as much carbon monoxide in the bloodstream.

"The smokers of only a few joints of marijuana a day may have at least as great a risk of developing lung cancer, if not a greater risk, as the average tobacco smoker," said Tashkin, a researcher at the University of California at Los Angeles.

He estimates that three or four joints a day could pose about the same lung cancer risk as three-quarters of a pack or a full pack of

cigarettes. There are 20 cigarettes to a pack.

Tashkin said his research suggests that pot smokers may also face an elevated risk of heart attacks.

His latest study was published in Thursday's New England Journal of Medicine.

Experts have long suspected that marijuana smoke is harmful to the lungs, but there has been little hard evidence of this. Six years ago, a panel of the National Academy of Sciences concluded that pot smoking probably has similar effects as tobacco, and heavy prolonged use may lead to cancer.

Surgeon General C. Everett Koop has called marijuana "a major public health problem in the United States."

An estimated 25 percent of the population has tried marijuana, and millions are thought to use it regularly.

In earlier studies, Tashkin found that those who smoke three or four joints a day have as much bronchitis and damage to the major airways of the lungs as do pack-a-day cigarette smokers.

"That puzzled us," he said. "Why should smoking one-seventh the quantity of marijuana compared to tobacco produce a similar pre-

valence of asymptomatic abnormalities as well as pathologic changes?"

The researchers recruited 15 men who had smoked both marijuana and cigarettes for at least five years and looked for differences in how the men smoked them.

They found that the smokers inhaled three times more smoke from one joint than one cigarette. And a third more tar was retained from each puff of marijuana.

"The result is that there is a four-fold greater burden of tar on the lung from the smoke of a single marijuana joint compared to one cigarette when each type is smoked the way it's ordinarily smoked," Tashkin said.

He also noted that THC, the substance that produces a marijuana high, spoils up the heart rate by 50 percent. At the same time, the amount of oxygen available to the heart is reduced because of the carbon monoxide in the marijuana.

This combination of increased oxygen demand and reduced oxygen supply could trigger a heart attack, he said.

But Tashkin said his studies have not shown any evidence that pot smoking increases the risk of emphysema, which is also a serious hazard of cigarettes.

701 South: where Spring Break will be

By Richard M. Gierbolini
Avon Staff Reporter

As Spring Break '88 approaches, your newest Avon Divisions writer, is here to tell you about the top places to party for the week of Spring Break.

701 South is located on A1A in the Tecon Hotel, and for the past few years has been one of the top spots of Spring Break activities, as well as MTV broadcasts. This year 701 South promises to be a leader once again in Spring Break 1988 by housing such companies as MTV, SCTV and Coca Cola.

The club is open seven nights a week to everyone 18 and over. There is no cover charge with a valid

Volusia County ID (Riddle ID is fine) to those 21 and over, and a \$6 cover for those locals under 21, and \$9 for the visiting non-locals. The no-cover policy does not apply to Mondays and Thursdays, between 9 pm and Midnight, when drinks are free — upon paying a \$5 cover charge. All other days' drinks are 2-for-1 and priced moderately.

For entertainment, 701 conducts legs and mini-skirt contests on other Tues., Wed., or Thurs. nights. For your dancing and listening pleasure, 701 provides non-stop music on record and video. You should arrive around 9 or 10 (especially on Mon. or Thurs.), considering parking is limited. You must also dress to impress, even though 701 does not have a dress code, they do not allow half-shirts.

Black college ousts film maker

By Janet Singleton
College Press Service

Director Spike Lee's first film — a low-budget sex farce called *Saturn's Children* — made him famous. But after the now-successful *Do the Right Thing* returned to Morehouse College, the Atlanta school from which he graduated in 1979, to shoot his second movie, he wasn't very well received. In fact, he was asked to leave.

Lee says it was because the film — now being released across the country — is about class and color divisions among students at a black college.

Morehouse administrators say it was because Lee wouldn't tell them what the movie, called *School Daze*, was about.

"We asked him what the film was about," recalls Dr. Hugh Glover, then Morehouse's president, "but he wasn't inclined to tell us. After the film was being shot, we began to refer reports concerning what it was about from the students."

He didn't like what he heard: *School Daze*, it turns out, is set at a fictional black southern college called Mission, where the students divide themselves into cliques of lighter-skinned "wannabes" — as in "want to be white" — and darker-skinned, lower-income students.

called "jigs."

It all sounded "downgrading" to Glover, who then told Lee to get off the school grounds, and the ban on filming the movie was extended by the 5 other presidents whose schools share the Atlanta University Center (AUC) campus.

"He wouldn't show it," AUC Chancellor Dr. Charles Meredith said of Lee and the script, "we couldn't see it, so we said it couldn't be shot."

Lee figured, "I had nothing to gain by letting them read the script," adding he thought his subject would be enough to provoke the presidents into exiling him.

Lee insists *School Daze* is accurate, that Morehouse was socially divided along skin tone and class lines when he attended. "We exaggerated it (in the film), but there were cliques."

Glover disagrees. "It happens in black society, yes, but not among our college students."

Meredith also concedes that "a long time ago there were fraternities and sororities for light-skinned people only, but nothing would suggest that's operative today."

"It's a lie," asserts Dr. Colbert Smith, president of Morehouse, another AUC college. "You're not going to find that kind of deterioration on these college campuses."

Campus residents themselves are

not sure.

"There are cliques," observes Janet Jones, a senior resident at Spelman, Morehouse's sister school, "but I don't think it's a matter of skin tone as much as socioeconomic background."

Spelman freshman Tracy Williams doesn't see divisions of any kind, noting her circle of friends are a diverse group.

Classtone Stephanie Brown thinks "there are cliques," but it's not really obvious. Most of the light-skinned girls hang with light-skinned girls, and the dark-skinned girls hang with dark-skinned girls. But it's not as if they don't like each other. They just don't hang together."

"Spike's main aim is to make films and make money," Glover says. "Our aim is to protect our schools while he's doing that."

"His portrayal was sensational in an effort to make money. Smash ads. I hope he gets rich, but not at the expense of black institutions."

Lee ultimately did move the filming of *Morehouse* grounds, though he finished shooting at other parts of the AUC campus because of a previous binding agreement he'd signed.

Meredith called it "an amicable resolution" to the problem but Lee, on tour to promote "School Daze," remains angry.



Valiant beauty . . .

This P-51, flown by Dean Cutshall of Ft. Wayne, Indiana, is but one of the type of World War II aircraft to be displayed at the Valiant Air

Command's Tusculum Airshow. This year the main attraction will be a reunion of 39 of the surviving members of the Flying Tigers.

the photo.

RIDDLE'S NEW HOME

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black identities into cliques of lighter-skinned "wannabes" — as in "want to be white" — and darker-skinned, lower-income students

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RIDDLE'S NEW HOME



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