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AVION

An award-winning college newspaper, by students for students

Volume 67, Issue 6

Embry-Riddle Aeronautical University, Daytona Beach, Florida

October 17, 1990



photo by Bob Levy

Practice makes perfect...

Richard Ulm, Chairman of the Aviation Maintenance Technology department, is seen here operating the PT-6 simulator. AMT students must complete the projects using the simulator before beginning actual work with the PT-6 engine.

Turbine equipment upgraded

University obtains advanced aircraft simulation systems

by Joseph A. Salerno
Staff Reporter

When the University instituted the new curriculum changes for the Aeronautical Science degree program, a foremost question in the students' minds was whether or not the University would acquire equipment, namely aircraft, for turbine aircraft training. The University has and still is acquiring some equipment for this purpose.

707 Simulation System

Along with changing the curriculum last year, the University announced its intentions to purchase a Boeing 707 simulation system. This was done over the past summer 1990, and the simulator has been in use ever since. Currently, it is being used by graduate level students enrolled in the MAS 590 graduate seminar class. Use of the simulator is open to senior level undergraduates of any degree program who hold a current commercial pilots license with an instrument rating; however, this is not in conjunction with any class.

In January, undergraduate seniors will be able to enroll in the MAS 590 Graduate Seminar course where they will use the simulator, and in the near future the apparatus will be open to use by graduate and undergraduate students in a 300-400 level procedures training class.

The system was funded by the FAA, but does not

contain visual components. It is for this reason that those wishing to use the simulator must have an instrument rating.

"We are doing our best to keep it free," commented Mr. James Blanchard, Systems Development Manager, when asked about the cost to students of using the system. "We hope this will be possible, since it is funded by the FAA."

Turbine Aircraft Acquisition

During the curriculum change, the University expressed wishes to acquire a turbine aircraft, for joint use as a student trainer and transportation for University business.

"We are still considering this option," said Mr. Paul McDuffee, Chairman of the Flight Technology Department. "There is a justifiable need for a turbine aircraft for student and University use." He also said that plans had been deferred for at least a year concerning this possibility.

Such an aircraft would be used in the upper level flight courses for turbine experience and cockpit resource management training.

Said Mr. McDuffee, "There is a lot of homework concerning this subject. Before we do it, we would also need increased enrollment in the flight program to justify the expense of keeping such an aircraft."

King Air Simulator

The University is scheduled to take delivery of a Prasca 242T King Air Simulator sometime this Fall. The system has been delayed for installation of the visual components, which are due in early November. The simulator will be open to student use in FA 453 High Performance Aircraft Flight Crew Techniques and Procedures.

PT-6 Simulator

The Aviation Maintenance Technology department has recently accepted delivery of a PT-6 turboprop simulator. It will be used in the AMT 212 Propellers and Propeller Systems, AMT 213 Engine Installation and Operation, AMT 215 Turbine Engines and Turbine Engine Systems classes. The simulator is designed to teach troubleshooting abilities to students who, once they have completed the assigned projects on the simulator, will go on to work on the actual PT-6 engine used by the AMT department.

The simulator is a computer operated system. Engine problems are introduced into the program, and students must react to them.

"We require students to complete work on the simulator first because," said Richard Ulm, Chairman of the AMT department, "If we let them go straight to the actual PT-6 engine it would run down too quickly." The simulator was delivered in September, and was funded by an FAA grant.

University conducts ribbon tying event

by Delannor Mance
Campus News Reporter

Several weeks ago, Moe Shaw, a student here at Embry-Riddle Aeronautical University, approached the Student Government Association (SGA) concerned about the armed forces personnel located in the Middle East.

Shaw's objective was to organize some kind of commemoration for the American forces that are now located in Saudi Arabia. The forces have been deployed there to deter any further aggression by Iraqi President Saddam Hussein.

Maxine Kilgore, SGA President, along with Dib Esaiquit, Niloufer Mukagum, and Sandy Oliver all members of the SGA willingly assisted Shaw in his efforts.

Several other individuals and organizations became involved including Student Activities, Foreign Student Services, Campus Ministry,

the Arnold Air Society, the Humanities and Social Science departments, Dean Rockett, and Sandy Oliver from Graduate Studies. These individuals developed a committee and decided to construct plans for some kind of ceremony.

On October 15, "Persian Gulf Awareness Day" began with a ribbon tying ceremony by President Tallman

in front of Spruance Hall. Several buttons that expressed support for the servicemen and servicewomen located in the Middle East were distributed. In addition, the committee members made available a banner to be signed by the faculty, staff, and students, and to be sent to directly to the servicemen. Kilgore said, "The ribbon tying was an absolute big success with a wonderful turnout."

Several other individuals and organizations became involved including Student Activities, Foreign Student Services, Campus Ministry, the Arnold Air Society, the Humanities and Social Science departments, Dean Rockett, and Sandy Oliver from Graduate Studies. These individuals developed a committee and decided to construct plans for some kind of ceremony.

"The ribbon tying was an absolute big success with a wonderful turnout..."



photo by Melissa Wells

Tie a yellow ribbon...

President Tallman, with assistance from Maxine Kilgore, ties the first yellow ribbon for Persian Gulf Awareness Day.

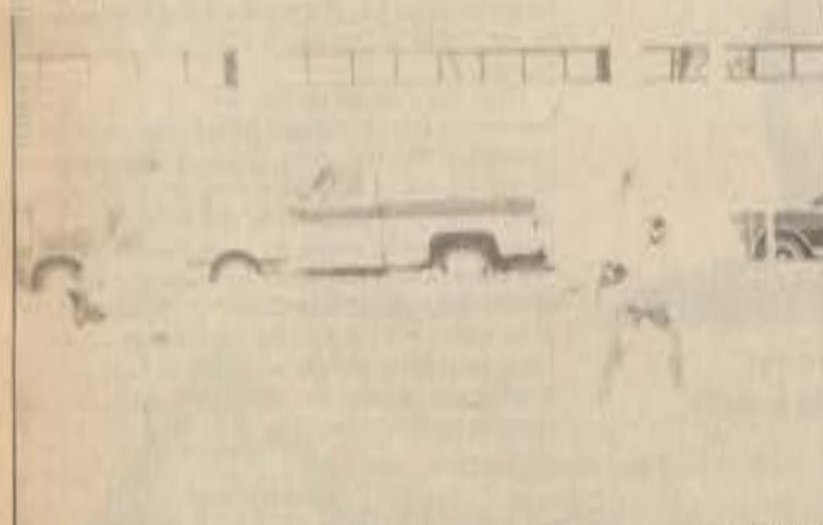


photo by Brad Oshler

Triumphant...

The long hours of practice paid off for the Eagles on Saturday as they beat the Hurricanes 12-10.

Lacrosse team blows away Miami Hurricanes

by Todd Hughes
Sports Writer

The lacrosse team opened their season away against the University of Miami on Saturday. The team bested the Hurricanes under the hot Miami sun and 90 degree heat. Miami took the early lead but the Eagles came out ahead in the end.

After a five hour bus ride to Miami in the morning, the Eagles were very tired and did not have their game legs under them yet as Miami took an early 4-1 lead, but the better conditioned Eagles came storming back and tied the game at 4. The first half ended with the Hurricanes leading 6-5. In the second half, defense took

over and the Eagles only allowed four more goals in the rest of the game. The Eagles five man defensemen rotation of Mike Martin, Aaron Woodward, Bill Ritter, Chris Lind and Chris Brimberg did an incredible job of holding off Miami's offense and shut them out for the remaining two minutes of the game.

Mick Syski, the Eagles goalie, had 19 saves and was awarded the game ball by his teammates.

The second half was played with each team trading goals, with Miami

taking the lead and then Eagles bouncing back to tie it up.

The Eagles finally took the lead on a goal by Scott Clark making it 8-7, and began to pull away. They then went ahead 10-7 before Miami scored another goal.

With a little over two minutes to play, Miami scored a goal to close the gap to 12-10, when the Eagles defense tightened and did not let Miami score again.

Jason Whitaker led all Eagle scorers with six goals and one assist and Scott Clark added two goals and

two assists. Will Langman added two goals, scoring first and last for the Eagles.

The rest of the scoring was rounded out by Clay Manethorpe and Pete De-Shields, who each scored one goal apiece.

Clay Manethorpe recorded the game winning goal, and Will Langman nailed the coffin shut with the twelfth and final goal for the Eagles.

The Eagles' next game will be away on October 27th against Florida State University. They will be opening their home season against the University of Jacksonville during homecoming.

Jason Whitaker led all Eagle scorers with six goals and one assist.

Section Highlights . . .

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ERAU soccer team crushes Clearwater Christians in Saturday's high scoring game . . . page B3

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Sports



Space Technology

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Editorials

Apathy affects way of life for everyone

A faculty member is putting up a large banner to announce a social activity for the student body. She asks a passing student to hold the banner while she climbs up onto the wall to hang it. The student uncaringly replies, "Do I get paid for it?" I witnessed another incident that happened a few weeks ago. A person was walking out of the Student Center after lunch and put a banana peel into an ashtray outside. A concerned staff member kindly asked the student to pick up the peel and place it into a proper trash receptacle. The person looked at the staff member like she was some kind of martian and just turned and walked away leaving the peel right where it was. Admittedly most people do not expect to be questioned about their actions especially when they do not want to attract attention. If the culprit is caught and confronted with the crime, a correct response is to accept the embarrassment and solve the disobedience. He can also learn and remember the next time he is tempted to misplace the trash again. The University must pay someone to pick up that banana peel, as well as, all the other trash around the trash cans and not in them. In the period of

a year, the extra time spent picking up after students amounts to a full time grounds maintenance job, that need not necessarily exist. We, as students, complain about the high price of tuition at Embry-Riddle, yet we can lower the school's expenses by not littering and putting trash into the proper places. Complaining seems to be a favorite past time here at Embry-Riddle, with most students having at least one problem that needs mentioning constantly. Yes, dilemmas are solved beginning with people calmly talking

Custom Management for its expensive prices and only adequate service. Did you know that the Student Government Association has a standing food service committee that coordinates ideas with Morrison's? This committee encourages student input and membership to serve the whole University better. Parking is another supposed problem here on campus. Are the sand lots that far away that a shuttle bus is required to transport you to the Academic Complex? At other schools, parking fees run into the hundreds of dollars and that is for a possible spot a mile or more away from the school. Large state schools typically have big campuses that do not even allow parking in many places except in a

huge lot at one corner of the campus. These are primarily residential schools, yet walking from your dorm room to class may take up to 20 minutes, that is just moving by one means; your feet. The majority of students at Embry-Riddle want the efforts of this school showcased down upon you and to mold you into a working graduate. Well that process does not function that way. In order to really get the most from this school and from life, energy must be given back to keep the closed system going. Put some effort into Embry-Riddle and we can be the best aviation university in the world and the very best school on the planet. All it takes is a minute portion of energy now, for a multitude of benefits later. What has society come to when a fellow human being won't help out another human without expecting something in return? This world is fast becoming too cold and self-centered. If a few minutes out of a person's time is too valuable to help a fellow in need, what will the citizens of the earth do when there is a real global crisis and mutual cooperation must be followed to save the planet! Hmmm....



Greg Naccarato Editor-in-Chief

Letters to the Editor

Students lack motivation

To the Editor: I am concerned with the lack of ambition of some of the students on campus. I have a very early class every day and I am amazed at the number of students who sleep in classes at any time during the day. I know the class is boring at times, but the information is important to flight safety. In many of my other classes there are also many students falling asleep in class. I spend a lot of time working in keeping my grade high, and I wonder why these people don't seem to care. This is one of the best schools in the country and I feel honored to be here. Are these people just here for the night life of Daytona? I can't believe that people would pay the high tuition just to party all the time. I'll admit that I go and have a good time on the weekends, but I can't understand the reasoning for going out every night. Don't these people want to excel at their studies so that they can acquire well paying jobs? I know that this school has a hard curriculum and the teachers are just as hard, but is that a reason to just give up at this point in the semester? I'm not saying that I am the perfect student, but I try to do the best that I can and I think that more people should try.

M. Wolfe

Smoking affects not just the smoker

To the Editor, Last week I was sitting in the break room talking to a friend when I noticed that about half of the occupants there were puffing away at their cigarettes. I then noticed one individual who constantly dropped his ashes on the floor, and eventually dropped the butt on the floor. I politely informed this individual that they make ash trays for that. He ignored me. I find that every time I leave the break room I smell like cigarette smoke, which stinks. Why should I have to put up with this? I believe that the half of the break room should be designated a Non-Smoking area, just like the cafeteria. I should have the right to breathe clean air on my break. I have no respect for people who don't have enough responsibility to take care for their own bodies. Smoking is a filthy deadly habit, and I should not have to be subjected to it. I'm sure that one of you bleeding heart smokers will write a response to the Avion crying about how you have just as much right to smoke, as I have to breathe clean air. The fact is you're wrong! You have the right to kill yourself, but not me.

Name withheld by request



Nobel Peace Prize for Gorby not so noble

Like most awards, the Nobel Peace Prize is not as important as the action or deeds for which it is awarded. On Monday, Soviet President Mikhail Gorbachev was given the prestigious award for his sweeping reforms within the Soviet Union and bringing the Cold War to screeching halt. It represented the first time since Wilson that the leader of one of the superpowers has been awarded the prize named after the inventor of dynamite. It would seem to me that the award is somewhat bittersweet for Gorbachev. While the award marks the pinnacle of his global influence, the reaction he incites in his own country is one of scorn and loathing. When told of his leaders award, one Muscovite expressed less concern about what Gorbachev would do with the \$700,000 monetary award, part of the prize, and more anxiety about where he would buy milk for his children. Doesn't it seem ironic that the very programs which has brought Gorbachev so much acclaim outside his country are the very ones his comrades believe are putting the nation in crippling peril. His very political existence is in jeopardy because those from within his government believe he is moving too fast and the implementation of his perestroika

plans are leading to the destruction of the Union. As a deputy of the Supreme Soviet told a reporter, "When the people of Armenia hear this news, they will not understand it at all. When there is a war going on in a country (referring to the fighting between the people of Azerbaijan and Armenia), and the leader receives the Nobel Peace Prize, there are some obvious contradictions."



Hoyt Brown Aeronautics Editor

President Bush called Gorbachev "a courageous force for peaceful change in the world." Although Gorby is having a few problems on the homefront, the Nobel Committee gave him the award under the auspices of his influence in agreements reducing nuclear and conventional weapons, helping to settle conflicts in Africa, Asia, and Latin America, and withdrawing his own forces from Afghanistan. In fact the chairman of the Nobel Committee, Giske Anderson, said that, "We know that there are great problems [in the Soviet Union], but that is not what he got his prize for. The big thing that is happening in the world is the reconciliation of the superpowers." From the citizens perspective, the changes are not coming fast enough and yet the economy is still stumbling. The life of the common man seems to be getting worse. Said a 21-year-old medical student, identifying herself only as Marina, "It's very surprising that he would get it. He hasn't earned it. We stand in line two hours for makeup - and not just for makeup, but for everything." A rather bleak perspective, but considering the Russian winter is fast approaching, and the store shelves keep getting emptier and emptier, Gorbachev shouldn't dawdle too long on his prize.

Student Forum

The Avion asks: Do you think the mailroom should convert all the student boxes to key locks instead of the combination locks?



Laura Brewer "No, students would be prone to lose their keys and it would become too much of a hassle for the mailroom if keys were lost and needed to be replaced."



Dennis Stewart "It is a waste of money and time to change them."



Diane King "No, it would just be another excuse to waste more of our money."



Jeff Houtz "The combination locks should stay, it makes it easier than having to carry around a key all the time."



Preston H. Davis "The cost does not justify the meager increase in security and convenience."



Mike Swank "No, it would be too hard to keep track of your key."

Soviet news agency says Saddam may pull out of Kuwait

Moscow (AP) Iraqi leader Saddam Hussein indicated to a visiting Soviet official last week he might remove his troops from Kuwait in return for some Kuwaiti territory along the Persian Gulf, a Soviet news agency reported.

The government run Novosti Press Agency said the shift in Iraq's position raised the Kremlin's hopes for a diplomatic solution to the standoff. But an editor at the official Iraqi News Agency denied Iraq had made any offer of a partial withdrawal.

Novosti, in a dispatch published Sunday by the labor newspaper Rabochaya Tribuna, said Saddam made the comments in talks with Yegheny Primakov, a top Kremlin aide whom President Mikhail Gorbachev sent to Baghdad last week to discuss the gulf crisis.

"In talks with Saddam Hussein, not once did (Saddam) mention the 'historical rights' of Iraq to the territory of Kuwait, amounting to a definite softening of the Iraqi president's position," Novosti reported.

"From these remarks, it follows that Iraq might withdraw its army from Kuwait, retaining for itself southern Rumailah and the islands Warba and Bubiyan, opening up exits to the sea," the news agency said.

Soviet presidential spokesman Vitaly Ignatenko had said last week that Soviet officials were optimistic after the Saddam Primakov meetings, but gave no details.

"I can only tell you that we are today more able to look more optimistically at the prospect of a political settlement in that

In talks with Saddam Hussein, not once did (Saddam) mention the historical rights of Iraq to the territory of Kuwait...

region," Ignatenko had said.

But the Iraqi News Agency, in a dispatch Sunday, quoted an unidentified editor as denying any concessions. The editor said the reports were "sheer lies and baseless, and those propagating them were known and their objectives known too."

Historical claims to Kuwaiti territory have been among Saddam's official justifications for Iraq's Aug. 2 invasion of the oil-rich

kingdom. He also claimed the Kuwait government was taking oil that belonged to Baghdad, and that the rule of Kuwait's monarchy was illegitimate.

The islands of Bubiyan and Warba are off the Kuwaiti coast near the border with Iraq. Rumailah is one of Kuwait's major oil fields along the Kuwaiti-Iraqi border near the coast.

By acquiring the three additional sites, Saddam could vastly expand his oil production capacity and open new ports. Iraq currently has only a small coastline from which to export most of its oil, its main source of revenue.

A U.S. led international economic embargo against Iraq, enforced by a U.N.-sanctioned air and sea blockade, has cut off Iraq's major oil markets.

U.S. Defense Secretary Dick Cheney is visiting Moscow Wednesday, and an official at the Pentagon said Cheney would ask for intelligence on Iraq. The official complained Moscow had failed to provide Washington with data on the Iraqi military, which the Soviet Union has been arming for a decade.

The Soviet Union has backed U.N. sanctions against Iraq and has two ships in the gulf, but Gorbachev has declined to send in more, saying the conflict should be settled peacefully.

The weekly Moscow News on Sunday published an article by an international security expert who called for the Soviet Union to send a volunteer military contingent to the gulf.

American Airlines to lay off 1,000

Fort Worth, Texas (AP) Rising fuel prices and a weakening economy have forced American Airlines to send layoff notices to 40 workers as part of a plan to eliminate 1,000 jobs from its payroll.

The Fort Worth-based airlines, which employs more than 90,400 workers, took the action "to reduce costs," spokesman Al Becker said Tuesday. "The (cost-cutting) plan isn't completed yet and won't be for several more weeks."

Airline officials had said this past summer that American planned to trim costs sharply, and a surprise hike in the price of jet fuel last winter contributed to a first-quarter loss of \$19.3 million. An unexpected decline in domestic air travel followed, helping to slash second-quarter profits by 27 percent, to \$129.2 million when com-

pared to the year-ago period.

American officials had planned to reduce costs by implementing a "head-count freeze" in management and clerical ranks. The company said it planned to eliminate about 1,000 jobs primarily through attrition, but did not rule out layoffs if necessary.

Becker said several American workers at Dallas-Fort Worth International Airport, the largest of the carrier's seven connecting hubs, were included in the layoffs. He did not know the specific number.

The American workers affected at D-FW, where the airline has more than 12,000 workers, primarily are fleet service clerks, a group that includes airplane cleaners and baggage handlers. American currently operates 541 aircraft.

The American workers affected ...are airplane cleaners and baggage handlers...



Going down?... American Airlines announced this week the layoff of 1,000 employees. Local service at the Daytona Beach regional airport is not expected to be affected.

Quick news...

Mayor vetoes nation's first college student tax... Evanston, Ill. (CPS) As she promised, Mayor Joan Barr vetoed a city council effort to make students at Northwestern University, Kendall College and other schools in the Chicago suburb pay taxes of \$15 per quarter on their tuition. The city council, in turn, failed to override the veto.

The tax, which angry council members had wanted to help pay for the water, police, and fire services the city provides to the tax-exempt campuses, would have been the first student tax in the nation.

Colorado students object to Coors on a building... Boulder, Colo. (CPS) The university of Colorado student government voted Sept. 25 to oppose CU regents' decision to rename a campus sports arena the Coors Events Center.

The school's Board of Regent had agreed to rename the building after the Coors Foundation, largely funded by the conservative Coors family that controls the Coors Beer company. The foundation donated \$5 million to construct a campus fieldhouse.

Claiming they had not been consulted about the move, student politicians approved a resolution to bar Coors from sponsoring any student events.

Housing battle erupts on several campuses

Washington (CPS) Facing the high off-campus rents and hostile local government that have plagued students on many campuses across the country, a group of University of Maryland students is taking a fight for lower rents to the court room.

Similar efforts to restrict students from off-campus houses and apartments also have sparked student resistance at the University of Idaho and Northwest Missouri State, Marquette and Duke universities.

At Maryland, the suit claims Prince George's County's "mini-dorm" law violates students' constitutional rights.

"It is clear that the whole intent of the law is to make it difficult to rent houses to students," said Jay Holland, the lawyer representing the students and landlords in their case against the county.

The mini-dormitory law, passed last November, mandates that any house where three or more unrelated people live must have at least 70 feet of bedroom space for each person and at least one

Basically students are getting picked on because nobody thought they could fight back...

parking space.

By limiting the number of students in a house, each person has to pay a bigger share of rent, putting a house rental out of reach for most students. That leaves students to choose between less-private apartments and dorms.

Citizens in Milwaukee, Wis., are up in arms over a proposal by two Marquette University fraternities to build new houses in the surrounding neighborhood.

In Durham, N.C., residents, weary of noisy parties and unkempt property by Duke University students, have demanded that a city ordinance limiting the number of unrelated occupants in a unit to three be enforced.

Hoping to head off such problems, Brown University officials now require students who want to live off-campus to watch a 10-minute video that shows them how to be a good neighbor.

"The housing market is tight, especially around the University of Maryland at College Park," Holland said. "Students saw this as an attempt to limit their housing choices in a market that is already limited. Dorm space is limited. Apartment space is limited."

Student leaders last spring began a voter-registration drive to increase their political clout to prevent politicians from enacting more anti-student laws, said Maryland Student Legal Aid Director Eileen O'Brien. So far they have registered more than 800 students, enough to affect several local elections, O'Brien said.

"Basically students are getting picked on because nobody thought they could fight back," O'Brien said. "Through the lawsuit and the ballot, they are demonstrating that they can fight back."

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Broadcast club makes an impression at the pool

by Joseph A. Salerno
Staff Reporter

The Broadcast club made its debut appearance for the students of Embry-Riddle this past Saturday, October 13, when they spent the afternoon playing music for the students at the University's pool. They were there from 12 to 4 p.m.

Using equipment donated by the club's members, the students broadcast uninterrupted music instead of the usual contesting performances between radios belonging to individuals at the pool.

The club's president, Steve Graff, expressed wishes to broadcast at the pool every Saturday, but said that the details had not been fully worked out with the Recreation Department and Student Activities.

This is the first semester in approximately four years that the Broadcast club has been active. The last attempt at formation of the club met

with limited success. A radio station had been set up by the club in the past for the campus; however, the club met with an early end when the senior members, who comprised the bulk of the club's members, graduated the year of the club's formation. It was never reactivated until now.

"Our ultimate goal is a radio station on campus," said Graff, "but we are taking it one step at a time. We want to do it right this time." The original club's radio station was a small trailer studio which transmitted a signal that could only be received on the campus. This meant that a person usually had to be in their car to get the signal. The amount of time spent in one's car was an extremely small amount of a student's daily schedule, and as a result the station obtained very little exposure.

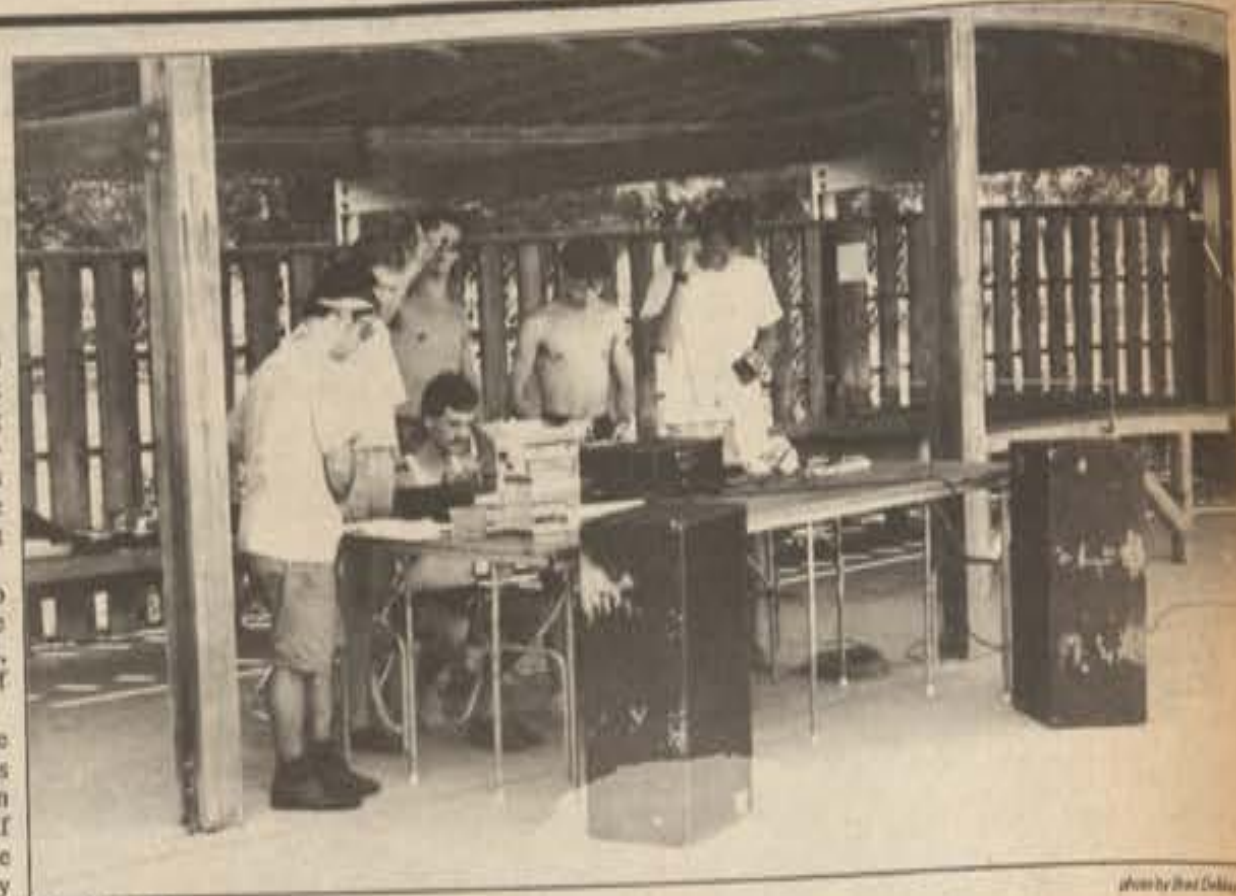
The radio station was also greatly undermanned and only broadcasted when one of the club's members had

time in his schedule.

"One of the aspects of the club we are trying desperately to improve this year is the club's exposure. We want people to know we are here and trying to do something constructive," commented Graff. One of the club's primary goals is continuity. "We don't want it to die out like it did last time," said Graff.

Some of the plans the club has to effect interest in the organization are future T-shirt sales, bumper stickers, and DJ services for parties on and off campus.

The Broadcast club hopes to be broadcasting at the pool often, and is also making efforts to get involved in this year's homecoming activities. If anyone is interested in joining the club, its meetings are held primarily on Thursdays at seven o'clock. To find out what room the meetings are in, watch for the club's flyers hanging around school.



On the air...

Members of the Broadcast Club play music at the pool every Saturday. The club is trying to get student support for a student run radio station like the one at Prescott.

Math convention focuses on aspects of computer imagery

by Delannor Mance
Campus News Reporter

The American Math Association of Two Year Colleges (AMATYC) will be holding its annual convention this year in Texas, October 18-21. It will focus on the plan to introduce computer imagery in the classroom.

Dr. Kiser, an associate professor here at Embry-Riddle Aeronautical University will attend and give a one hour presentation on Computer Enhanced Instruction (CEI) solving Linear Inequalities.

Several mathematical committees including AMATYC are all focusing on a new itinerary in mathematics education. They recommend introducing imagery, visualization, and spatial techniques into traditional classroom settings. They further propose that computers be used in school mathematical programs for nontraditional problem-solving

strategies. In addition, they recommend that computers be used in teaching traditional mathematical topics in "diverse and imaginative ways". Computer-Enhanced Instruction (CEI) is unique in that it utilizes the microcomputer for color, sound, motion cueing, graphing and shading.

The CEI presentation which Dr. Kiser plans to give is based on several years of classroom research with first year college algebra students. Dr. Kiser found in his research that students who have high levels of 2-D spatial visual ability can be benefited by computer enhanced instruction. Although a CEI presentation can be more effective than a tradi-



Dr. Lee Kiser

tional presentation of the same ideas, Dr. Kiser stated that CEI is not better and is not a replacement for traditional presentations.

Linear programming is a relatively new field of mathematics, however it is useful in solving many air transportation problems.

Brothers of the Wind invite President Tallman to speak

by Delannor Mance
Campus News Reporter

President Kenneth Tallman addressed the Brothers of the Wind (BOW) on October 11, at their general meeting. At the invitation of the club's President Leroy Young, Tallman spoke about various topics and gave words of encouragement. In addition, Tallman spoke of the University's dedication to providing the students with the best possible aviation oriented education.

Tallman spoke about several programs that the University will be implementing to increase the number of scholarships available to students. According to him, the school will be receiving a grant from the federal government that will be placed in an endowment fund to create additional scholarships. Also, several donations from industry will be used to enhance the technical instruction of pilot and engineer training.

Tallman mentioned plans to acquire land for the University. These plans would include the purchase of the land across the street from the University's main entrance. This land will be used for expansion purposes which may include a gymnasium and additional parking.

The Federal Aviation Administration in an attempt to further technology in pilot training, avionics, and maintenance will be establishing a federal committee. Tallman and several officials at other aviation universities have been requested to participate.

During the question period, BOW members focused on topics such as the availability of scholarships, tuition increases, and discrimination. Tallman restated the school's programs for scholarships that are currently on the drawing board. Although tuition is expected to increase, the students were assured that it would not be a very steep increase and that Embry-Riddle is relatively inexpensive compared to other aviation universities.

On the question of discrimination, Tallman affirmed his support for affirmative action. He also expressed that he does not condone discrimination in any way, shape, or form. In addition, he stated that he is firmly against racism and that it has no place, and will not be a part of this University as long as he is here.

He concluded by encouraging the members to "keep up the good work". Tallman also reminded students of his open door policy.



President Tallman

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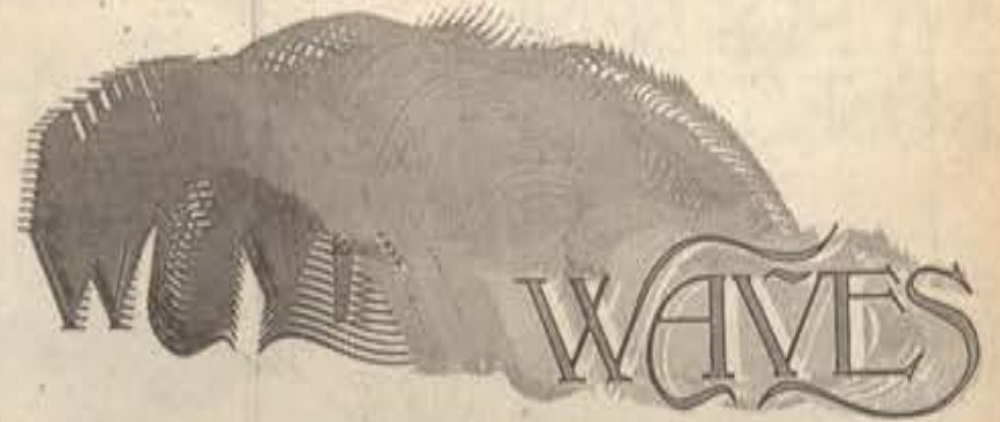
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Aviation expert discusses current trends in aero-medical industry

by Amy Taylor
Campus News Reporter

Dr. Richard Reinhart, a medical advisor to Future Airline Professionals of America (FAPA) as well as a physiology instructor in Indianapolis, spoke to approximately 60 students in the S.C. last Wednesday night. The topic of discussion was "Flying Fit In The 90's" and included points on the importance of central and peripheral vision, changes in the FAA medical forms, and important things to remember about your medical exams.

The majority of students in attendance were obtaining extra credit in their physiology course.

Are you flying legally?

A close look at your medical reveals that a first class medical is good for 6 months and a second class for 12 months. Most people think that as long as you are valid you are legal to fly. Right? Actually wrong.

Dr. Reinhart pointed out that too many pilots think that is true. But if you carefully read FAR 61.53 you will see that the statement is false. The regulation states, "No person may act as pilot in command, or in any other capacity as a required pilot flight crew member while he has a known medical deficiency... that would make him unable to meet the requirements for his current medical certificate."

In other words, if, on any given day, you could not pass your medical exam for any reason, you are not legal to fly. According to Dr. Reinhart it is better to ground yourself for the day rather than risk your life or the lives of your passengers due to a temporary medical deficiency.

Peripheral vs central vision

A little known fact is that 90% of your orientation and equilibrium come from your peripheral vision. To support this statement, Dr. Reinhart got a volunteer to stand heel to toe, close one eye, and place his fist about two inches in front of his open eye. The volunteer, a CFI, was a little unstable at first but was then able to regain his balance. Next, still standing in the same position, he put an empty toilet paper roll in front of his open eye. In doing this, the volunteer completely blocked out all peripheral vision and had a great deal of trouble maintaining his balance using only his central vision. This can very easily explain one cause of a pilot's lack of orientation while flying IFR.

Only the pilot's central vision is used when concentrating on the instrument panel, therefore causing the pilot to become disoriented. It is also important to note that if you do not fly for a period of a couple of days, you can lose your tolerance of peripheral vision. A pilot who flies regularly would have a much easier time of recovering his or her balance in

the toilet paper roll test than one who does not. There are several other factors that can affect your ability to properly and safely fly an

Flying with a hangover
Most people realize that flying under the influence of drugs or alcohol is just plain stupid



photo by David Feltus

Good advice...

Dr. Richard Reinhart spoke to dozens of students at a recent lecture concerning FAA medicals as well as other flight related issues.

aircraft. Fatigue is a major one. Fatigue is not just a lack of sleep. It can include being mentally tired from a hard day of work or passing out the night before from too much alcohol- a drunken sleep is not a good sleep.

Dehydration a factor?

Dehydration can also cause fatigue. This can be a serious problem in Florida due to our weather conditions. Pilots, as well as everyone else, should not wait until they are thirsty to get something to drink.

A good example of this comes from the soldiers in Saudi Arabia. They are supposed to be constantly drinking water to avoid dehydration. If they get to the point where they feel thirsty it is too late. Although this is an extreme example, dehydration can still cause problems on a lower level.

Those who have ever flown with an ear block may flinch upon the memory of the pain it produced during flight. Dr. Reinhart said that even a minor ear block "can be totally disabling." Don't put yourself through any unnecessary pain or danger. If you have an ear block, ground yourself.

but what about flying with a hangover? In the opinion of Dr. Reinhart, "you are still under the influence in my eyes." After one to three beers the mind is dulled, inhibitions are lost, and the adrenalin begins to flow. What some people may not realize is that the adrenalin continues to flow for 24 to 36 hours after the last drink. It is this adrenalin that affects your reaction time, inhibitions and your judgement. The morning after that big party, your blood alcohol level may be at zero but the effects are still present within your body. The 8-12 hour "Bottle to Throttle" rule is no longer considered safe.

Flu and cold symptoms have just been proven to be much more of a problem than once thought. Studies have been done and the results have been published in Time Magazine and Reader's Digest that flu and cold symptoms have the same affect on one's body as does two beers when rating the person's reaction time. It has been found that these symptoms cause a 57% reduction in reaction time and a person should consider whether it

is really safe to fly.

Possible changes to FAA forms

Dr. Reinhart informed students of possible changes to FAA form 8500-8. It is important to note here that all changes are only apart of a rough draft and nothing is final as of this date. On the original form the pilot is asked if he or she has any record of traffic convictions.

The word "convictions" has caused a great deal of controversy. Most would answer the question "no" if it was questionable knowing that, in most states, the FAA couldn't check your traffic records anyway.

FAA obtains traffic records

But be warned: as of about one month ago the laws have changed. The FAA can now legally obtain your traffic records. Instead of just asking about traffic convictions, the new form, if approved, will require you to state all speeding and reckless driving violations, DUI's and DWI's, and any records of administration. Records of administration will include any violations that were reported and paperwork was begun by officials.

So, in short, don't lie about your traffic violations. If not for ethical or legal reasons then the monetary reasons may convince you to tell the truth. Whereas the original form had a \$1000 fine for misinformation, the proposed form has a fine of \$250,000.

But don't worry about having a speeding ticket or two. The FAA is looking for a pattern. If you have 4 or more in the past year you might be considered a "risk" because of poor judgement. The same goes for DUI's and DWI's. The first one might be excusable. The second one in 12 months may cause the FAA and the companies to which you are applying to take a closer look at you. Upon the third DUI or DWI in a year, Dr. Reinhart says to rest assured, "the company won't touch you."

The morning after that big party, your blood alcohol level may be zero, but the effects are still present within your body. The 8-12 hour "Bottle to Throttle" rule is no longer considered safe.

Dr. Richard Reinhart

Dr. Reinhart also made a few other quick points that may be of interest to pilots undergoing a medical soon or about to start the application process to the major airlines.

A kiss of death?

In regards to Orthokeratology, unless you have started the treatment already, do not bother to begin it now. There is a good chance that the present vision requirements will relax in the near future. Stick with your glasses

and/or your contact lenses. If your doctor has mentioned the option of Radialkerotomy consider it carefully! "As far as the major carriers are concerned," says Dr. Reinhart, "it is the kiss of death."

Positive about drug testing

"There is no such thing as a false positive in drug testing," says Dr. Reinhart. For every chemical known to man there is a certain "fingerprint". There are no two alike. There are some foods, such as poppy seeds for instance, that will trigger a positive result. However, if there is ever a positive result, the lab must confirm it to be factual. With their tests they will be able to tell exactly which drugs were found in your specimen. Be sure to advise those taking the sample of any prescription medication you may be taking as they can sometimes cause a positive response for cocaine or opium.

Pilots who are risks

Remember, a medical denial is never final. It simply means that you are considered a potential risk. By "risk" the FAA means that they feel you may be unpredictably incapacitated while flying. What do airlines consider risk factors? A history of medical problems, hypertension, obesity, high blood fats, imprudent lifestyle, (poor judgement), tobacco chewing, and smoking. Quitting smoking two weeks before an interview does not make you a non-smoker. The airlines are looking for people who have never smoked or who have been "clean" for one or more years. They will check!

In addition, Dr. Reinhart suggests that you get your own physical similar to the one given to the airlines. If there is a problem with your health, get it fully explained by your doctor. Take all these results to your airline medical. It will save a great deal of time in your interviewing process as well as show your prospective employer you are motivated and truly interested in a job within their company.

Before your medical

He also offers a few things to do prior to your medical in order to be in top physical and mental condition. Follow a sensible diet, stay well hydrated and well rested- this means getting a good night's sleep at least 3 nights before your medical. Avoid strenuous exercise 24 hours before, and all alcohol and excessive noise 2 to 3 days before your medical exam. Know a complete medical history for you and your family. This includes medical problems, dates, and treatment. Follow all company instructions and most importantly, "THINK POSITIVE!!"


Dr. Reinhart will be at Career Days this year to answer any of your questions.

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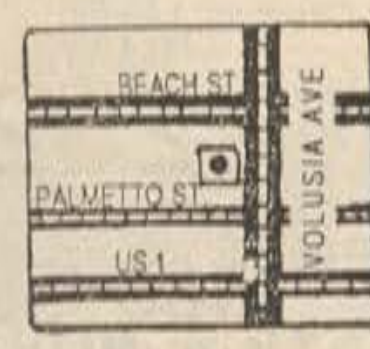
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Alpha Eta Rho

by Sonny Patel
Once again Greek Week arrives upon Alpha Eta Rho this week. Greek Week activities will continue through out this week after 5:00 pm. On Saturday, AHP placed Third in Swimming, were eliminated in Volleyball, and beat Theta Phi Alpha in Tug of War. The Greek Week activities will end with Toga Party at Sigma Phi Delta on Saturday Evening.

Alpha Eta Rho competed against the Vet's Club on past Sunday afternoon. We dominated the entire game as expected by most of us. The end result was 13-0 Alpha eta Rho. We stand at 2-0 after defeating Delta Chi last week and soaring over the Vet's

Clubs. On offense, Fran Clemente and Jeff Jones each Scored one touch-down. On defense, the rushers Dan ZSiegfried, Joel Nix, and Merle Perry kept the Vet's QB scratching his head for the entire game. Overall, the game was played very well by the entire team.

AHP Pledges completed their first lesson this past week and are working very hard on their second lesson. They had their second meeting on Monday and accomplished many items. They talked about their Community project, Fund Raisers, and Pledge-Brother Project. As whole pledge class, they have been doing a wonderful job so far.

Army ROTC

By CL&C Fortner
On 4 Oct. 90 the Eagle Battalion conducted a lab on Individual Tactical Training areas. Covered were 3 to 5 second rushes, high and low crawls, crossing an obstacle and camouflage. There was an outstanding demonstration on these techniques

lead by C/CPT Holly Smith an C/ILT Kim Kessel, with the help of selected individuals. The opposing force represented an actual threat now existing in the Persian Gulf. This demonstration was not meant to be derogative of any country or religion. Rock Steady Eagle Battalion.

Aerospace Society

by Roland Houle Secretary
For those of you that were not able to make it to last week's meeting, we watched part of the videotape we made at the shuttle launch. Also, we went outside to see the Hubble Space Telescope. We're still not sure if Mike was lying to us and we really saw a high flying 747, or if he told the truth for once and it was the Hubble. We'll give him the benefit of the doubt this time!

Tonight, we will be having an astronomy session with Dr. Fleck. He will be bringing his telescope, and if the weather is permits, we will be going outside to look at the heavens. Amazingly enough, it is already time to start thinking about elections. Tonight we will be taking nominations for the four officer positions of President, Vice-President, Treasurer, and of course, the lovely job of Secretary. Who do you want to lead your club next semester?

Brothers of the Wind

by Delannor Mance Clubs Writer
The club held its first two social events this month including a barbecue and a bowling meet. The brothers and sisters had a good time and look forward to doing it again. They will not have to wait long because this Friday the club is sponsoring its first "Def Jam" of the semester at the Whitehall Inn.
Also the club will be hosting two halloween events later this month for the children in the community. Tick-

ets will be available for those students who wish to attend the annual Christmas banquet which will be held at Indigo Lakes on December 1, at 8:00 pm.
For further information, times, dates, and ticket purchases please contact the club by depositing a note in their student activities box.
The Brothers of the Wind would especially like to extend its appreciation to President Tallman for addressing the club last Thursday at their general meeting.

SAA

The Student Alumni Association will be very busy for the month of October. There are three major events being planned. For the weekend of October 13th we are going to the Jacksonville Airshow. The following weekend is the Alumni Chapter meeting in Atlanta, GA., which includes a meeting and dinner with alumni on Saturday. In addition a tour of Delta Airline's Corporate Headquarters is tentatively schedule for Monday the 23rd. We encourage all members to sign up early there is limited space available. Although it has not been finalized, a trip to Orlando International Airport is planned for Saturday October 27; the airport manager will

provide a tour of Delta's new concourse and operating facilities.
The SAA is working hard in planning for the many Homecoming events that are scheduled for the second week in November. Activities include the annual Bonfire, Career Expo, and a Pancake breakfast for Alumni. We hope all members will get involved with the various planning committees. Also, we welcome all new members and look forward to meeting any students interested in joining the SAA. Our meetings are held every Wednesday at 5:30 pm, room 157A, in the library. For further information please contact the Alumni office at 239-6160.

Sigma Chi

by Eric Eichmann Clubs Writer
Please come to the conference room in the October 22-23, to give blood. It only takes a few minutes and it is for a very good cause. You never know, someday you might there when you need it. Lets all turn out and make this another record year blood drive.
I think it is fair to say that there definitely needs to be some changes in the way Greek Week is run. Not the events themselves, but the way they are judged. We need more judges so that they can see the whole picture,

not just the front.
Pledges, you should be just about done with your interviews. If not, you'd better get moving, and in a big way. You know when they need to be done, so budget your time and they won't take long.
Finally, a couple of weeks ago someone made a remark about how they appeared to be dominating the volleyball games, well I didn't hear anything about football, did that just slip your mind? Well if it did, the games aren't even close, unlike the volleyball games.

Pre-Law Club

by Aaron Rimpley Clubs Writer
The club has held its first two meetings and they were very successful. Surprisingly there are a large number of students who are interested in Aviation Law and plan to attend Law school upon graduation. Club certification and elections will be fulfilled within the next week.

The Pre-Law club plans to sponsor co-op and intern programs in the Daytona Beach area. Information is available on law school requirements as well as applications and school catalogs for students to use.
Club meetings will be held on every Tuesday at 5:00pm. for further information please contact Mr. Callahan ext.6670 or Mr. Routh 6864.

Semper Fi Society

by Scoop Hool
At long last the article that everyone has been waiting for! I hope it brings the reader as much pleasure as it has to the writer.
First off I would like to congratulate all those members of the PLC who have successfully completed their summer training and to give some advice to those who plan to return next summer...Run, Run until you feel your limbs actually fall off your body. You might be ready then.

seasons rules, vomit judge Wally Jankowski awarded Darren the victory with a composite score of six chows and three fish. After the contest a triumphant Darren Hool was quoted as saying "Go away, I want to sleep now." After things "settled down" Paul was quoted as blasting out "Wait until next year Darren." All members of the club would like to thank everyone in the OSO office who made this trip possible.

On Saturday the 29th of September the club went on a deep sea fishing trip out of Port Carveral that was deemed a success by all those not to sick to fish. A question still remains if the club president, Peter Lee, even got a chance to drop a line in the water. Maybe some mysteries are better left unsolved.

Captain Jaffry and Gunnery Sergeant Scott will have a table set up in the UC this month and there will also be another club meeting this month as well. Check the board for details. Also, Last Tuesday night October 2, the Marine Volleyball team had only two members show up for the game. Although they played extremely well, they could not overcome that disadvantage.

Also a hardy OH-RAH should go out to all the participants in the feed-the-fish-by-way-of-mouth contest held involuntarily by several members of the club. Although Darren Hool won with a club record of six heaves, catching three fish, Paul Zadrozny ran a close second by heaving four times and catching eight fish. Under last

If you signed up for the team make sure you do your part and show up for the games. An hour out of your schedule isn't going to kill you.
In closing I'd like to remind the club, don't drive drunk, be careful because there's probably not enough parking.

CLUBS POLICY

- All articles must either be type-written, double-spaced or on disk (unformatted in Word Star or Microsoft Word).
- Deadlines for submission of all club material is Wed., 5 p.m., one week prior to publication.
- Photos may be submitted with club articles.
- All submitted material becomes the property of the Avion with the exception of disks.
- The Avion reserves the right to edit all submitted copy.
- For more information, stop by or call the Avion office at (904) 239-6049.

Omicron Delta Kappa

by Greg Naccarato Secretary
Look! What does ODK mean? Omicron Delta Kappa is a leadership honor society that recognizes student leaders in the academic community as well as the local area of the school.
Inductions are taking place in the near future and if you are interested in applying to ODK please see the showcase in the S.C. for more information. A few requirements must be considered when applying to ODK, for instance you must be a junior, senior, or graduate student and have at least a CGPA of 3.0 out of 4.0.

collegiate life and thus to create an organization which will help to mould the sentiment of the instation on questions of local and intercollegiate interest" is another purpose of ODK.
If you feel you are a leader here at Riddle in any form, and want to belong to a worthwhile club on campus, drop a note in our mail box in the Student Activities Office, and we will contact you as soon as we can.
For current members the next meeting is on Thursday, Oct. 25 at 1:15 to 2:00 p.m. in room 157 in the library. A new attendance policy is in effect and written excuses must be submitted as soon as possible if you are going to miss the meeting. Please call Darrell Hawkes at 257-3491 or Curtis Harris at 254-4973 if you have any questions. Semesterly dues of \$20 will also be due at this meeting if you have not paid either.

Leadership plays a key role and this is shown in the bylaws stating the purpose of ODK is "to recognize individuals who have attained a high standard of leadership in collegiate activities and to encourage them to aspire to higher achievements." Also "to bring together the most representative individuals in all phases of

Watch the showcase for further announcements. See you at the meeting.

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Sailing Club

by David Boswell
Clubs Writer

Klaus we love you, rest in peace. He was a wild and windy type of guy. Living fast and dying young like so many of his predecessors. The great feelings of respect and appreciation we had for the man we never knew.

Born in the Sahara grew up in the Atlantic, he never reached his full potential, the elusive level 5. The joy of seeing the crazed look in fellow wind head eyes shows that his life was not in vain. Windhead of the Eastcoast eagerly await his kin of the Sciffocco winds. (Next time we'll have a radar gun).

The sailboat teams' performance in Gainesville October 6, earned an impressive fifth place overall. The intrepid team that tracked in land included: DJ, Farrell, Jeff Hall, Joe Wright and Rob Jankowiak.

A notable performance in Gainesville was sailed by marina bum Sacha

Fecchio. The future Whitbread Victor earned a 1st, 5th, and 6th. Sacha comments "Need bigger boats," is this and announcement of America's Cup intentions, round the world races or just a desire for an Olympic medal. Sacha you are an example for us all. Letters to Sacha Fecchio fan club should be sent to Student Activities.

Those of you who are still reading are interested in sailing or have a masochistic desire for gonzo journalism. The latter should try triathalons the rest of you are invited to attend the next meeting of the sailclub, tomorrow Oct. 18, 7:30pm at Mr. Gatti's Pizza.

Prospective members or just curious people are welcome. Weekend clinics held by the sailclub are for people to get their feet wet and provide positive first experiences to the sport of sail power.

Remember people are 97% water, be cool, be mello. PFW.

Delta Chi

by Dan Turner
Chapter Writer

On October 13, 1990, Delta Chi Fraternity reached its one hundredth anniversary. Congratulations are in order for all of the brothers of Delta Chi.

We extend our appreciation to the associate member, the alumni, and everyone who has supported Delta Chi through the years.

The centennial bash went over with a bang. The festivities included fireworks, several bands, food, lots of drinks, and lots of people. There were also lots of headaches the next day, but everyone agreed it was well worth it.

Two more of our illustrious brothers have purchased the Delta Chi infamous mode of two wheel transportation, the motorcycle. Brother Risk purchased the ultimate racing machine as soon as he patches everything, he is going to attempt to

navigate the streets of Daytona. President Sean decided he wanted to ride a motorcycle last weekend, so he went out and bought one, as a novice, who's expert advice will he listen to?

Love at first sight, chemistry, destiny, or whatever you want to call it: cupid has struck his arrow into the heart of one of our brothers. Paul Neidhart and Jennifer McFarland are engaged to be married. Start preparing for the bachelor party guys.

Upcoming events include the nut + bolt social with the Tri-Delts from Jacksonville and the Delta Chi pajama/Halloween party with the Zeta's from Stetson. anyone interested in participating please leave a note in our box located in the Student Activities office.

Arsenio Hall would say, "Not jokes, just thoughts that make you say, Hmmm." Who won Greek week 1990? (Hmmm.)

ROA

by Roxann N. Robinson, C/3c,
AFROTC
ROA Public Affairs Officer

The Reserve Officer Association (ROA) is a nationwide lobbyist organization that serves all branches of the military services. Locally, the association is an active force on campus and in the community, promoting comradery between the military branches, performing service projects, and sponsoring social events. Membership is open to all cadets enrolled in a pre-commissioning program (ROTC). Our meetings are open to all interested cadets. Our meetings are held at 1900 hrs. in room W-306.

ROA started this year with several

very interesting and fun programs for our cadets. To name a few, we had a briefing on the Middle East by Colonel Fountain USA (ret.) which was most interesting as well as informative, we went to Wet n' Wild with the Arnold Air Society, and we also had a briefing on military ranks to further educate our members. Upcoming events include volunteering to work with the Volusia House kids with the help of the Arnold Air Society, sponsoring a child from South America, and an aluminum can drive all over campus!

Again, I'd like to welcome all cadets to come and see what ROA is all about. Don't miss out on the fun because we've only just begun!

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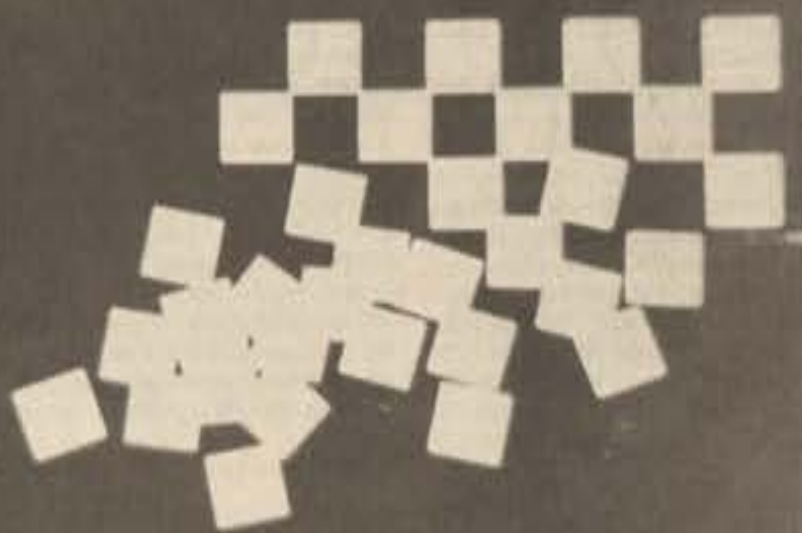
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CHESSE



Your move...

The soundtrack from the musical Chess is now available on compact disk. There are three versions of this musical available, but the only the English version has all of the music from the musical.

Chess sounds great on CD

by Jason Simon

For those people who enjoy many different types of music; the soundtrack to the musical Chess may be the type of music they are seeking.

Chess takes place before the advent of Glastnost. It is the story of an American and a Russian who are to play each other in the world chess contest. The story line involves much deceit and pain, but there is much rejoicing also. The musical has been on Broadway and it currently tours the United States.

The Chess album being reviewed is the original English soundtrack on compact disk. The distinction must be made since there are three different versions of this soundtrack.

There is the taped version of the English soundtrack and the Broadway recording, but only the original compact disk has the space to fill in all of the music. This is a two disk set, while the Broadway version only has one disk.

This not only cuts out much of the music, but the scores on the Broadway edition are sung by people other than the original cast.

The music on this disk entails a combination of easy listening, classical and hard rock. A good example of the classical side is the first track of the first disk, Merano.

Merano describes the setting of the first Chess tournament, Merano Italy. It is a very soothing ballad which may be good for light listeners.

The next song is titled *The Russian and The Molokov Where I Want To Be*. This deals with how the Russian feels about the American opponent he is about to face. The music, sung with heavy, opera-like tones, shows that the Russian is slightly afraid of the Americans chess playing tactics.

My favorite cut from the album is titled *Opening Ceremony*. This song takes place in four parts. The first part is dominated by the referee, otherwise known in the play as the Arbiter.

This part of the song has rock overtones similar to the other sections which deal with the problems of merchandisers and U.S.A., U.S.S.R. problems.

There are a few good purely musical pieces on this album, one of them includes the track which takes the title of this musical. It is a calming piece, complete with harp playing in the foreground.

This album also features the cut *One Night In Bangkok* which was made popular a few years ago. It is the same music as was played on the radio, but it has a nice interlude before the piece conducted by the London symphony orchestra.

Overall, Chess proves to be a good compact disk for people who enjoy a wide variety of music. While there are several versions of this score available, I have to recommend the original cast, compact disk version. Chess is available in most music stores.

This album also features the cut *One Night In Bangkok* which was made popular a few years ago.

R.E.M. produces a new film

by Joe Cambron
Managing Editor

R.E.M. the quintessential college band has finally done what has only been dreamed by fans of the band's live performances. Yes, it is true-a live concert film on video tape...Tourfilm is the name of R.E.M.'s Green Tour concert excursion.

Filed at three of the band's final North American dates, Tourfilm does a fine job of recapturing the excitement of the stadium shows that the band is now accustomed to headlining.

The eighty-five minute film does not concentrate on interviews, or wax philosophically about the environment, as the band's lead singer (Michael Stipe) is accustomed to doing, it gives the fans simply what they want, Music.

Seventeen complete songs are included on the stereo tape as well as a fraction of another song. The Lou Reed-like poetry that took live audiences by surprise is also included. The video begins with the ubiquitous "Stand",

which by the way is now the theme to a fall TV sitcom, and moves through six other songs from their last album. Also included is "The One I Love"-the song that brought the band to the forefront of college/alternative rock, "These Days" which Stipe points out has three main points (can you name them?), the dark and caged "Feeling Gravity's Pull", "I Believe" from *Life's Rich Pageant*, "It's the End of the World...", "(Don't) Fall on Me", "Begin the Begin", "King of Birds", "Finest Worksong", and finally, the memorable closing from each performance-"If We Close the Door." Also included is an excerpt from a Drivin' and Cryin' tune.

The tape is an excellent reproduction of the concert experience. It is primarily filmed in black and white for added stark effect.

For those who attended an actual R.E.M. concert, the video will bring a guaranteed smile to your face, but it is nothing is a substitute for tickets to an R.E.M. show.

Monty Python releases a Rip-Off

by Jason Simon
Diversions Editor

For those who have enjoyed late night P.B.S., Monty Python was a staple of their lives. This crazed bunch of English lunatics brought their strange and bizarre style of humor into American homes. Movies such as *Live at the Hollywood Bowl* and *The Life of Brian* were soon to follow the series. It has been a long time since the Monty Python group has been together, but die hard fans can enjoy the best of Monty Python with the release of Monty Python, The Final Rip Off.

This two CD set has 47 of the best Monty Python sketches ever produced. The CD starts off with an excerpt from Monty Python and the Search for the Holy Grail. The CD tries to revolve around this setting, except the narrator keeps on getting interrupted by other classic Python scenes.

Some of the many songs and sketches on these disks include *I Like Chinese*, the cross dressing lumberjack song, the dead, and nailed to the perch, parrot and, of course, the infamously vulgar *Sit On My Face* song.

Other sketches include, the French Taunter from the Holy Grail, *Know What I Mean (Nudge, Nudge)*, *I Bet You They Won't Play This Song On The Radio*, *The Cheese Shop* and *No One Expects The Spanish Inquisition*.

Definitely one of the best tracks on



Dead parrots...

Monty Python's compact disk features many of the best sketches of their career.

This two disk menagerie is the argument sketch. A gentleman walks into an office asking to have an argument. The gentleman pays five dollars and then walks into the office. A funny argument ensues. After the five minutes are up the man pays the arguer another five dollars to have a longer argument. The arguer takes the money then denies that the gentleman has paid. Another funny argument takes place.

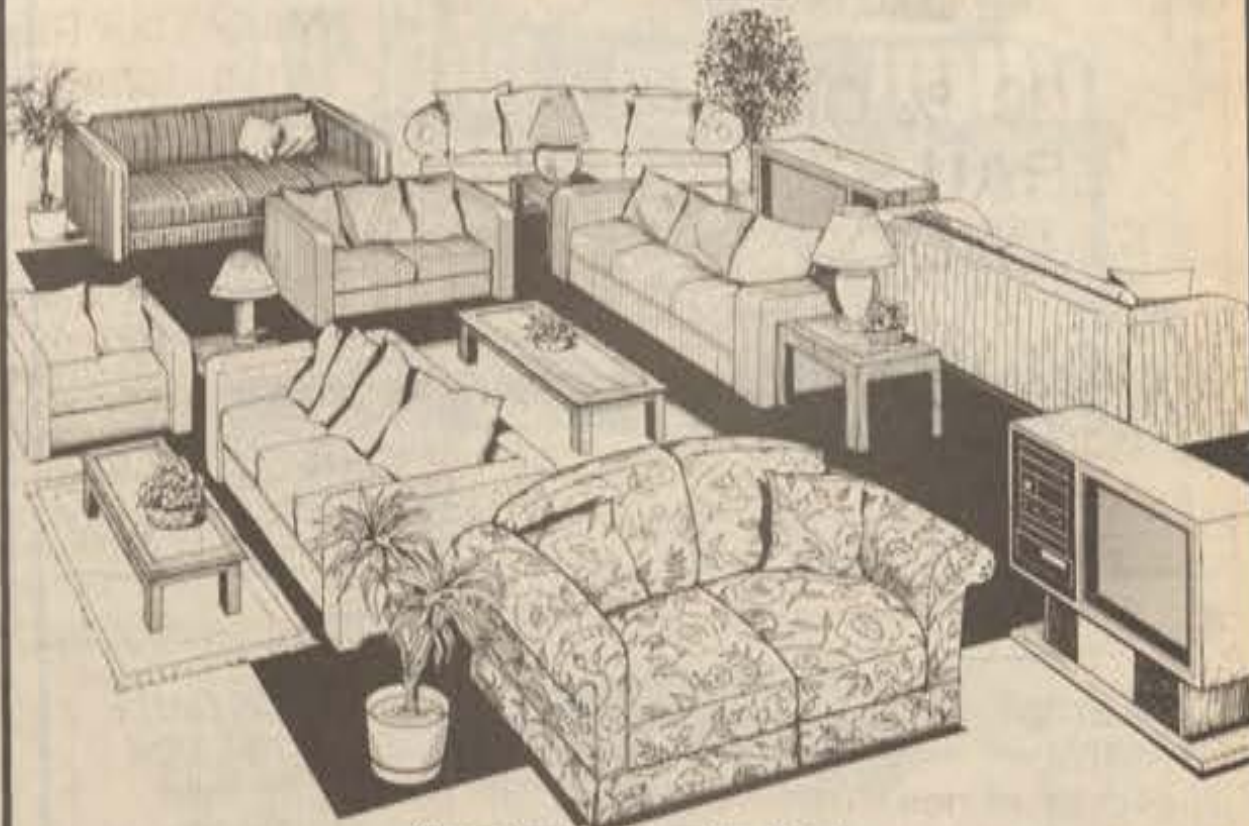
When I asked a friend about the title of this CD set, *The Final Rip Off*, he mentioned to me that he thinks the reason for the title was that the first sets of this album were shipped with two identical disks.

Overall Monty Python's *The Final Rip Off* will be enough to keep many of the die hard fans in stitches for a very long time. *The Final Rip Off* is available at record stores in the local area.

Attention Avion Readers:
In the September 19, and the September 26, issue of The Avion, The Avion incorrectly misspelled two words in the "ASK" Travel advertisement. This was a mistake on Avion's behalf and we regret any inconvenience this may have caused our client and Avion readers

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Cockburn releases new album



An interesting part of the concert seemed to be the choice of songs. The first song deals with the desecration of the Earth by human waste. The song mainly deals with the Earth's atmosphere. The lyrics describe a place where every city's atmosphere looks the same. It feels like Bruce is making a case for the cleanup of the Earth.

Other songs talk of political systems. *Call It Democracy* speaks of a country where the government seems to not care about the people. The government is compared to international loan sharks who just spend money to make money at the expense of the people. Another political song is titled *Nicaragua*. This song tells about the war in that country. The lyrics are strong in their meaning and hit the heart with the feeling of the war. Lines like "for every scar on the wall there's a hole in someone's heart" bring the feeling of war closer to those who have never experienced it.

Maybe the Poet deals with human rights, be it for the gay, unliberated women or even drug dealers; the bottom line of the song is that everyone has rights. No matter what the person has done they still have some rights that the system cannot violate. This may not be true in some countries outside the United States, but the message is there. The people of a country might try to change the way their government treats their people. The government may not change, but at least the people tried.

Bruce's band is comprised of two other people besides himself: Pergus Jemison and Michael Sloski. All members contribute to the playing and writing of the music and lyrics. These are three people trying to change a little bit of the world through music. If everyone would just stop and listen, the world could be a much better place.

Music with a meaning...

Bruce Cockburn latest compact disk features songs that have meanings that many people can relate to.

by Malissa Wolfe
Diversions Writer

Bruce Cockburn's latest compact disc from Gold Castle Records is a recording of a concert from his 1989 tour at Ontario Place, Toronto Canada. This '89 tour took place in such areas as the U.S., Canada, Australia, and as far away as New Zealand. This new disc features a wide variety of music. There are slow ballads such as *After the Rain* and *See How I Miss You*. These songs have deep roots and are very moving to the soul. Two up-beat songs on the disc are *Nicaragua* and *Call It Democracy*. These two songs have a feeling that says lets try to change our world.

Smash the Cat plays Daytona Beach area

by Traci Shatter
Diversions Writer

If asked, would you categorize yourself as a leader or a follower? Upon interviewing "Smash the Cat," a local band of Deland, I found four unique men limited by nothing other than their own imaginations. By no means is this band a follower of today's music. They are soaring above and beyond the quote "normal" to create what could be the sound of the nineties.

"Smash the Cat" band members are guitarist Bobby Bryant, drummer Mark Harman, Bassist Tom Rasmick,

and lead vocalist Mike Sheffield. The band has been together six short months and in that time they have produced seventy five tapes, selling all but three. Those of you who are cat lovers, try not to be offended.

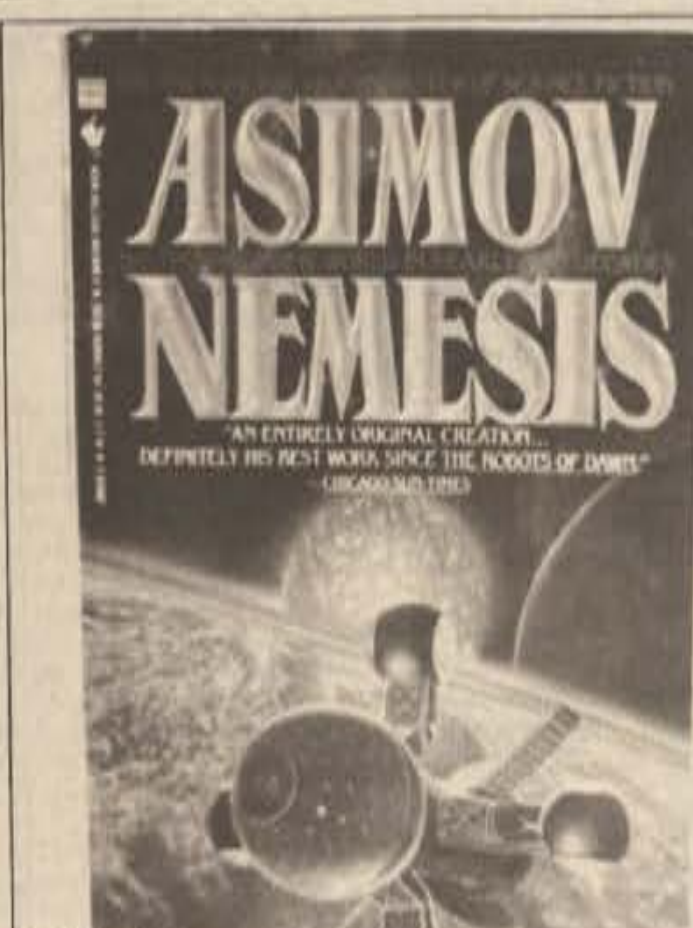
The most prominent influence on the band was the rock group Kiss.

Originally, "Smash," the cat, was a character created by the band as a joke and also to be used as a logo for their concert T-shirts. Due to the twisted minds of society, the name "Smash the Cat" has been associated with both cat abuse and sexual gestures.

The band feels originality is the key to a successful career. "Smash the

Cat" writes their own music and makes it a point to be as diverse as possible. Much of their influence comes from punk, metal, progressive, fusion/jazz, and believe it or not, Bugs Bunny Cartoons. The most prominent influence on the band was the rock group Kiss. Like Kiss, "Smash the Cat" is taking the risk of being extreme, doing everything most musicians would never attempt.

Whether your watching "Smash the Cat" perform, or courageously slam dancing among the crowd you will find this concert to be very intriguing. The band has performed at a local club, which will remain nameless, the past two weekends and is expected back in the near future.



Will Earth survive...

Asimov's new book, *Nemesis*, deals with an overcrowded Earth and an interstellar calamity.

by Ron Roberts
Photography Editor

Isaac Asimov has done it again. His most recent novel, *Nemesis*, is destined to make best-seller lists around the world. Most people are thinking right about now,

"oh great, another *Foundation* or *Robot* or *Empire* series book."

Well they are wrong. This is one of Asimov's few stand alone novels. In addition to his series of novels, Isaac Asimov has written some stand alone novels as well. His last one was *The Gods Themselves*, released in 1972. Asimov has also written a slew of short stories, and edited about as

many for other new and aspiring science fiction writers. Asimov also wrote a novella, *Nightfall*, which was made into an equally short movie. Unfortunately, the producer's idea of what the movie should look like was

completely different from Asimov's view of the novella. As many critics said, "The movie was a hour and a half *Obsession* commercial." Asimov claimed that the movie had absolutely nothing to do with the story. Personally, the movie took Asimov's title because they couldn't think of anything better to call a really bad science fiction movie.

Nemesis is set in the twenty-third century and Earth has become overcrowded.

Asimov creates Nemesis

Fortunately for us, *Nemesis*, has no relation to anything being produced today. *Nemesis* is set in the twenty-third century and Earth has become overcrowded. So overcrowded in fact, that people have built Settlements in orbit around Earth, each one having their own culture and style. When one of these Settlements, Rotor, invents hyper-assisted drive, which enables them to travel above the speed of light for short periods of time, and then suddenly leaves the Solar System, there is of course quite a stir.

Especially because Rotor has left for a star two light-years away that no one else knows about. That star is named *Nemesis*. But now a fifteen year Rotorian old girl has learned that *Nemesis* is heading for the Solar System and will destroy the Earth.

This girl, Marlene, is completely unremarkable except for the fact that she has the special ability to detect people's true emotions and meanings. This makes her very dangerous to the people who want to keep the fact that *Nemesis* will pass through the Solar System secret.

The story takes place over a period of about sixteen years and switches between past and present. The plot is very convoluted, but not difficult to follow. The plot also switches between Earth and Rotor and between different characters. There is always a developing suspense throughout the novel and it all comes to a climax when the Earth-people finally reach *Nemesis* and confront Rotor. To find out how it all comes out, read the book. It is truly Isaac Asimov quality.

Coming Distractions

New reviews on REO Speedwagon and INXS. In addition, the newest Star-Trek book will be reviewed. Look for these stories and more in next weeks *Avion*.

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Ventura Publisher 3.0 adapts to meet new publishing demands

by Joe Cambron
Managing Editor

Xerox has now capitalized upon the success of Microsoft Windows 3.0 by adapting its state-of-the-art Ventura Publisher program to this explosive new interface.

The program utilizes the standard Windows interface with on-screen help, pull down menus and the virtual

elimination of the keyboard through the use of the mouse. What it is

For those who are unfamiliar with Xerox's Ventura Publisher, it is perhaps the premier desktop publishing program in the world today. Its features concentrate on the ability to design a document, whether it be a newsletter, a newspaper or a term paper. It allows the complete integration of pictures and text through the ability to import graphics from most other computer drawing and scanning packages.

The program also has the ability through style sheets to standardize documents layout after only one setup session. Henceforth, document options are preset. Even multiple style sheets may set up for separate tasks or users.

Any entrepreneurs out there?

The combination of an IBM compatible computer, Ventura Publisher and a laser printer (together costing between \$2,500 and \$3,000) will rival the production capabilities of any printing firm or typesetting business. A setup similar to this one, in fact, is used by many of those same typesetters and by this newspaper.

With a postscript laser printer pages of magazine quality may be produced. This relatively small investment is the only production equipment necessary to produce camera-ready output (newspaper or magazine pages are photographed by commercial printers for ease in mass reproduction).

Windows 3.0 meets Ventura 3.0

Before discussing the program more thoroughly, it is important to understand what is required to make full use of Ventura. Perhaps most obviously, both Windows 3.0 and a mouse (available together from Microsoft for \$150)

are essential to the operations of Ventura 3.0 for Windows (other versions are available for Unix and OS/2). A high resolution monitor (EGA-\$400, VGA-\$500, or better), not necessarily color, is also a must. RAM requirements are documented to be two full megabytes (about \$100 for each additional megabyte needed), but performance is improved substantially by three megabytes of main memory.

A hard drive (any computer without a hard drive is outdated—approximately \$100 for every 10 megabytes) with five free megabytes is recommended. Finally, a quality printer is required, preferably an ink jet (\$600) or ultimately a name brand laser printer (Hewlett Packard-\$950, IBM-\$3000, or Apple-\$3000).

Using the program with an 80386SX (\$1000 plus monitor), the program was only slowed by frequent disk accesses. Screen redraw was incredibly rapid considering both the ultra-high resolution display being used, and the constraints of Windows display drivers. Screen redraw uses an innovative technique unique to Windows that only refreshes parts of the screen that have been changed, saving time.

An 80386 is not necessary to run the program, although a 16 Mhz 80286 is probably close to the bottom of the operational envelope.

New and improved

Besides enlivening the stodgy interface accompanying version 1.0 and 2.0, version 3.0 makes much better use of screen space. Import file lists (files loaded to be entered into the desktop publishing program) and tag lists (user defined font and spacing formats that accompany a style sheet) may be moved anywhere on the screen. They may

be also be sized accordingly.

No matter how large your screen is, Ventura automatically moves to fill every pixel (a lighted dot that makes a monitor image) with its screen.

This new Ventura also incorporates the ability to import files from newer versions of popular word processing programs that fouled earlier versions, i.e. Word Perfect 5.1 and Word for Windows.

Perhaps the most dogging problem of the earlier Ventura was the memory barrier at 640K RAM that has since been removed by the Windows interface. This allows memory use to be limited only by the computer itself in most cases.

The only real criticism of this program is its ability to run only in protected mode. This mode limits use of the 80286 and 80386 processors found in IBM computers.

Xerox's Ventura Publisher is one of the premier desktop publishing programs in the world today.

Pictures

Pictures may be sized to fit on screen through shrinking, enlarging or cropping off of edges. A rudimentary drawing program continues to be incorporated into Ventura. This ability allows the production of simple graphics with ease. The easiest way to make a graphic is to import one from Lotus 1-2-3 (and they look stunning).

Overall

In summation, Xerox has released one of the most memory-hungry programs ever made, but the pains of the pocketbook are overcome by the joys of its astonishing output. With Ventura 3.0, the user is no longer the director, Ventura takes that job from him and promotes him to the role of producer.



Professional publishing... The Avion newspaper is produced on Xerox's Ventura Publisher program.

Stunt Driver taxes the newest computers

by Joe Cambron
Managing Editor

Stunt Driver is a new game modeled after the arcade game "Hard Drivin'." Designed by Spectrum Holobyte, the makers of Tetris and Falcon, Stunt Driver is one of a few games that are pushing IBM/Intel processors faster and graphics higher. Never enough speed

Stunt Driver is not unique in its requirement for 640K RAM, but the box clearly states 80286 minimum. This is not simply a threat, the makers of this game are quite serious.

Speed is not only necessary in auto racing, it apparently is also necessary in auto racing simulating. The "puny" 80386SX running 16 Mhz that was used to test this game was virtually shut out from using its VGA monitor because of its "slow" speed of only one million processing instructions per second (1 MIPS). Three years ago, this computer would have been a candidate to replace Alabama's air traffic control system, now a game has made it obsolete...a sign of the times.

Is 16 Mhz enough?

Sadly while applications manufacturers work hard to meet the capabilities of 80286 and 80386 machines without exceeding their powers, games seem to be the driving force for speed.

Whatever the case, Stunt Driver makes excellent use of my computer's power, while yearning for more. Stunt Driver is probably the only action game (fast moving frames) to use 256 color VGA graphics. It is this welcome advancement that ties computer processors in knots. Imagine defining one of 256 possible colors among 64,000 different dots on the screen and updating them as fast as possible to simulate motion, while at the same time receiving control directions from a joystick.

How about 33 Mhz? Feeling computer envy, a test of the program on a 33 Mhz 80386 computer rated at over three million processing instructions per second (3 MIPS) showed that even this beast of a computer could not handle the 256 color graphics and still be controllable.

Feeling better about my computer, it became apparent that the game must be set to EGA graphics on my VGA equipped computer because of speed requirements. Apparently, only a new 80486 machine can handle the game at its fully operational level.

If one can overcome the sorrow associated with the obsolescence of their computer, the game is very well done. Adlib sound support provides excellent effects and the graphics that the game is capable of rival the arcade game.

A VCR mode, a course construction set (with camera placement for instant replay) and a choice of cars and avenues give the game spark. Stunts out of your Tyco youth years can allow cars to loop, spin, jump draw bridges or take a run at Talladega.

Competition mode allows the user to race against computer opponents, or a modem will allow two racers thousands of miles away to race head-to-head.

The game is well produced and documented and of course, also fun to play. The price is below \$40, but before you get behind the wheel, remember these words - "80286 Minimum."



Speeding... Spectrum Holobyte releases a new driving simulation game. Stunt Driver is very similar to Hard Driving (shown here).

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