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Embry-Riddle Aeronautical University

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**Red Cross
Sigma Chi
Blood Drive**
Today and Tomorrow
10 a.m. — 4 p.m.,
in the U.C.

This Week Features

- Embry-Riddle makes tracks **page 7**
- SGA's write elephant **page 7**
- Model shoots the '60s **page 7**
- Embry-Riddle... again **page 7**

AVIATION

An Award Winning College Publication

Volume 51, Issue 7 Embry-Riddle Aeronautical University, Daytona Beach, Florida October 24, 1985



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National Commission on Space solicits public opinion in Tallahassee

By Pete Merlin
Avion Staff Reporter

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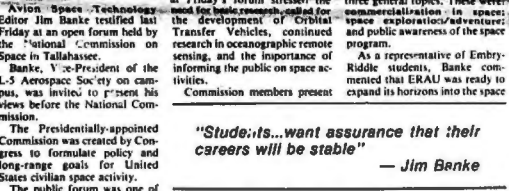
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This week: Janelle strikes. Minutes seem like hours, and hours like days as Hurricane Janelle barrels towards Florida's

bulletins from Orlando appear. On color radar, several bands of intense weather called squall lines come swiftly over Flagler, Volusia, and Brevard counties. Even as students at ERAU settle in to ride out the hurricane, city police cruise the streets of Daytona, hoping to prevent any crime that may arise before and after the brunt of the storm. Even as Janelle approaches, area police note several vehicles attempting to navigate the already flooded streets of downtown Daytona. The Municipal Yacht Basin and the City Library seem to be the center of attention for sight-

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ERAU Trustees convene for annual progress check

By Patrick McCarthy

Embry-Riddle's Board of Trustees will be meeting in Daytona October 25 and 26 for a workshop to formulate a plan for the University's near-term future.

According to President Ken Tallman, the objective of the Trustees workshop is to stimulate discussion pertaining to the next five to ten years of University development. Topics of discussion will include new program offerings, facility development, and building plans.

The President is looking for a "broad understanding of options from a Board perspective." Faculty members and students will participate in meetings with the Board to provide a different perspective.

President Tallman will report on proposed new facilities, the status of the FAA Management Training Center, and plans for the University's 60th Anniversary celebration.

The Trustees will discuss future alternatives and options available to the University. The main thrust of the workshop sessions will focus on possible curricula

changes, resource development, and University growth.

Another topic up for debate will be the possible move towards a more aerospace-oriented curricula. The Trustees will also consider the prospects for other forms of aviation education at ERAU, such as; contract flight training, industrial training, or helicopter training.

The Board will meet beginning Friday, October 25 at the Academic Complex on the Daytona Beach Campus. Two full days of committee reports, workshop sessions and student interaction are planned.



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Banke, Vice-President of the L-5 Aerospace Society on campus, was invited to present his views before the National Commission.

The Presidentially-appointed Commission was created by Congress to formulate policy and long-range goals for United States civilian space activity.

The public forum was one of 15 to be held across the country. They are designed to solicit opinions from the general public, industry, and academia concerning space program goals to the year 2035. Topics discussed at the forums have included the future of space research, building lunar settlements, and the initiation of

a research in oceanographic remote sensing, and the importance of informing the public on space activities.

Commission members present

"Students...want assurance that their careers will be stable"

— Jim Banke

at Tallahassee were Neil Armstrong, commander of the first Apollo moon landing, and Lt. Gen. William Fitch, United States Marine Corps, retired. Moderator of the forum was Leonard David, director of research for the National Commission on Space.

age. Banke said, "Our school is the only totally aviation-oriented university in the country. As the aviation industry grows and develops, the next step of growth and development will be into space. Under the leadership of President Ken Tallman, concern-

As a representative of Embry-Riddle students, Banke commented that ERAU was ready to expand its horizons into the space

Recommendation that "The Commission should clearly define those projects that will earn acceptance by government, industry, and the general public. The lag of activity following Apollo caused many people throughout the aerospace industry to be laid off."

"Students at ERAU who are graduating and have an interest in space want assurance that their careers will be stable. As it stands now, we could graduate, get a job with Rockwell, work for ten years getting the space station into orbit, and then be laid off as there is no clear direction as to what space project will happen next."

See SPACE, page 8



Two wheeled thunder

Avion photo by Mark Storm-Montgomery

Robert Roncheito of Sorrento, Florida streaks through an infield turn during last weekend's races at Daytona International Speedway. More photos in Sports, page 14.

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This week: Janelle strikes.

Minutes seem like hours, and hours like days as Hurricane Janelle barrels towards Florida's northeast coast. For the last twelve hours, area residents have prepared for the approach of the unwelcome visitor. Now, a Category V storm, Janelle bears winds of 158 mph, and a possible tidal surge of over 15 feet.

A Embry-Riddle, people react with curiosity as the first 50 mph gusts sweep the campus. Though most have experienced winds of this caliber before, few know the pseudo-nostalgia of experience a hurricane. Groups of students can be seen gathering around portable TV sets while weather

bulletins from Orlando appear. On color radar, several bands of intense weather called *squall lines* course swiftly over Flagler, Volusia, and Brevard counties.

Even as students at ERAU settle in to ride out the hurricane, city police cruise the streets of Daytona, hoping to prevent any crime that may arise before and after the brunt of the storm. Even as Janelle approaches, area police note several vehicles attempting to navigate the already flooded streets of downtown Daytona. The Municipal Vaught Basin and the City Library seem to be the center of attention for sightseers; both being located on the water, they are several feet deep in river water.

The squall lines quickly pass the area and the heavy gusts subside, only, the wind is now a steady 15 mph with occasional gusts to 30. Though supervisors constantly tell students to avoid the window areas at the Riddle shelter, some individuals manage to sneak a coveted view outdoors. Winds are predominantly from the north, but appear no stronger than perhaps those of a mid-summer's thunderstorm.

While those at the Riddle shelter sit monotonously through the threshold of Janelle, a smaller



group in New Smyrna celebrate the onset of this season's excitement. The small beachhouse rumbles ominously—not from strong winds, but from the sound of the stereo speakers pounding the beat of parties favorite rock group. One eager young man trods diligently to rediscover the "Lost Seawall of New Smyrna", hidden beneath the growing tide.

With each passing second, the wind whistles its warning of eminent despair. Its growing force carries branches and debris on airborne journey overland. Already, reports are coming in of signs blowing over the trees crashing to the ground. One local radio station reports that a sailboat, originally anchored in the center of the Halifax, is beating uncontrollably against the Main Street bridge.

Still, all seems well on Riddle campus. Though most Florida TV stations are on non-commercial news broadcasts, the new cable system installed at the dorms does offer several national stations, giving students a welcome relief from the storm.

One girl jumps as the buzz of high-intensity electricity, followed by a short explosion, shudders the protective walls. At that, darkness overwhelms the room. For several chilling seconds, the only sound to reach anyone's ears is that of the howling wind surging by the Dormitory.

A security guard reports that a tree limb has apparently fallen over a powerline and shorted out the building's main transformer.

Many students have heeded the Civil Defense advisories, and quickly flip on their battery-powered radios. Though morningtime, the hallways reflect only scant traces of light. So flashlights too are popular items.

Torrential Downpour

By noon, the first hurricane force winds rife across Volusia County. On the radio, news teams are encountering numerous downed power cables sparking in the torrential downpour. "Things are not looking so good out here," one reporter cries as the wind rakes his microphone. "Several cars at a local car dealership on Volusia Avenue have suffered severe damage from a fallen billboard. Thank heavens they pulled down the extra traffic lights! The one they left up at the intersection of Volusia and Ridgewood is doing all it can to stay on the wire!"

And so the news continues. Boats blowing ashore off the Halifax are becoming common place in the area. Panes of glass pop like corn as soaring debris clutters the air. Many store owners taped their windows (not

knowing why) and, in their ignorance, helped prevent a storm of flying glass throughout the merchant district.

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Darkened Gloom

Throughout the community, sections of town flash into a darkened gloom as power lines tumble to the ground. Miraculously though, a small section of New Smyrna still enjoys all it can to stay on the wire! Like the power, the festivities at the beach house is still in full swing. Indoors, it would appear Janelle has already struck, with beer cans and chips littering the carpet.

See 'CANE, page 3

Editorial

Students make good

The unlucky stigma of the number thirteen couldn't compete with the hard work of the ERAU Vets club this last weekend. Through hard work and good planning, the Regatta Committee succeeded in the difficult task of making the university look good by pulling off another fun and successful regatta. The Riddle Regatta, in its thirteenth year, has become not only a school favorite, but also a community institution.

All too often, residents of Daytona look upon Riddle students with disdain, recollecting our sometimes-irresponsible antics. Aggravating this situation is the attitude of many students that Daytona Beach exists only for their entertainment needs. While Daytona is a resort town, there are many permanent residents and institutions that the average Riddle student never discovers. Preoccupation with drinking and other forms of non-productive recreation leads to a nearsighted student body who avoid community service.

Thankfully, the work of a sizeable fraction of students helps to overcome our negative image. Groups such as the Vets Club donate countless hours of their time to raise money for local charitable organizations. Sigma Chi's blood drive has become the largest single supplier of much-needed blood to the Central Florida Red Cross. Efforts of the Riddle Riders Motorcycle Club to promote safety show that our students are not all the maniacal drivers they are perceived to be.

Congratulations to these organizations, and others who are bucking the image of irresponsibility associated with students at this school. We are certain that their work is appreciated by the community, we can only hope that more students will emulate them.

Engineering advisory council established

Students form coalition to improve communication, representation

By Jeffrey G. Peger
Vice Chairman

This trimester marks the official formation of the Embury-Riddle Engineering Students Advisory Council.

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A. communication with the Engineering Department Chairman.

B. communication with the

Embury-Riddle Engineering Students

I HOPE THIS PANIC DOESN'T INCITE SOME DANGEROUS LEGISLATION...



Concorde generates noise complaints

Associated Press

DENVER — Stapleton International Airport's "noise operator" says he has heard all he wants to hear about the Concorde supersonic airliner. In fact, when Steve Alverston went to Colorado Springs last

weekend to listen to it, he heard quite a bit more than he wanted to.

The Concorde is banned at some airports because of its noise level although it does not travel at supersonic speeds when above land.

It registered 119.5 decibels on

its landing approach at the Colorado Springs airport and 121.3 on departure, Alverston said, adding that that's too noisy for Denver.

Denver has told British Airways it does not want the Concorde landing at Stapleton, and that decision will not be changed,

Alverston said.

"You have to start taking the noise situation very seriously," Alverston said. "Basically, you have to put a cap on it somewhere, and the Concorde, being the noisiest commercial airliner, is the place to stop."

Letters to the Editor

Bikes everywhere

To the Editor:

A potential safety hazard has plagued the academic complex since the day I arrived here at the university. This hazard has intensified severely since the beginning of the trimester.

Parking bicycles throughout the academic complexes has the potential of serious injury to the

most of this situation is that the walkways in this area are for walking-not riding bicycles. Lets get something done about this before someone gets hurt.

Michael Celestia

Thanks, guys

To the Editor:

Our heartfelt thanks and ap-

reciation go to the Alpha Eta Rho organization of E.R.A.U. The I-Care Child Abuse Center's Cooke Monitor Carnival held at the Ocean Center on Sunday, October 6, 1985 was a huge success due to the help and cooperation from yourselves who gave of yourself for a worthy cause.

A special thanks also, to the Cooke Monitor-Eric Doten, our Chairman. We hope you all had a fun day and feel as good as we do that you helped support counseling and services for abused children in Volusia County.

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C. availability of student representation as faculty and administration meetings and planning sessions.

D. student consultation in regard to engineering fee increases.

At the second meeting of the trimester, the officer positions were decided upon. The co-founders of the ESAC, Geoff

Murray and Jeff Peger, will serve as chairman and vice-chairman, respectively. Steve Williams will serve as the ESAC secretary. In addition, the twelve council member positions were decided upon. The council members will be voting members who comprise the core of the ESAC. However, membership will be granted to all currently enrolled engineering students that are in good status with the University and in good academic standing. Thus, a general ESAC member will be guaranteed the opportunity to express his/her opinions in regard to engineering matters.

The objectives for this trimester include: gathering student support and a strong base from which to operate from, interaction with the administration so that information can be passed on to the majority of engineering students, and close communication with both the engineering department chairman and the engineering faculty. Any interested engineering student who wishes to be either informed of or express an opinion is urged and encouraged to attend our council meetings.

The next regular meeting of the ESAC will be Thursday, October 31, in room A-111 at 6:45 p.m.

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Parking bicycles throughout the academic complexes has the potential of serious injury to the student body on the whole. There are ample bicycle racks located in every conceivable location around campus. Why don't the students use these areas? Because they are just plain busy.

During a S.A.C. meeting earlier in this trimester, I asked the representatives who could be done about this potential liability.

The reply from the person who represents students on the campus safety council was "I agree, I will check into it." Well, it has been better than 4 weeks since that time and I continue to see more and more bicycles locked to the concrete poles as well as the wood fence in the academic-complex.

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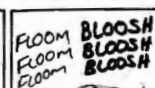
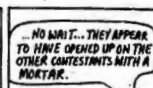
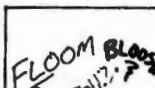
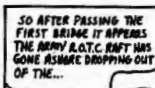
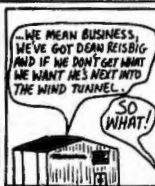
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Lynne Han

Chairman

Wes Oleszewski



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The overall objective of the ESAC will be to assure an informed, and motivated engineering student body. Through effective

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Lynne Hunt
Chairman

News Wes Oleszewski



the avion

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AP Associated Press

AIDS battles intensify over pig source

By Jack Anderson and Joseph Spear

WASHINGTON — There is some evidence that a deadly swine fever virus may be linked to AIDS, but researchers say the Agriculture Department is trying to obstruct tests that might prove it.

Apparently, the bureaucrats fear the multi-billion-dollar pork industry would suffer financial disaster if the public heard about the scientists' suspicions.

One leading expert, Dr. John Belkades of Boston University, told our associate Corky Johnson, "The USDA is afraid the industry would fall if African Swine Fever is related to AIDS." He said he had been ordered not to talk to reporters on grounds of

national security, but claimed that Agriculture officials have quietly leaked word to farmers that he is conducting tests that could establish a connection. "I am being indirectly threatened by pig farmers," Belkades said. Government officials deny they are trying to suppress research into an AIDS-swine fever link, and insist that all tests conducted so far have been negative. They say researchers who believe there may be a connection are raising needless alarms.

African Swine Fever has been kept out of the United States by stringent Agriculture Department precautions. But the scientist who first made public the possibility that it could be a cause of AIDS, Dr. Janet Teas, notes a wor-

risome coincidence that indicates the infection could be a two-way street. Cuba, for example, had no cases of swine fever until 1980, after refugees arrived from Haiti, where AIDS is widespread.

Dr. Teas theorizes that Haitians contracted AIDS from eating undercooked pork. If the virus can in fact be transmitted in either direction, ease possibility of pigs to this country catching AIDS and then acting as carriers would be a serious threat.

Internal memos we've seen from the Centers for Disease Control in Atlanta attest to government doctors' confidence that sufficient AIDS-swine fever testing has been done, and that the results were negative.

"From the outset," notes one, specimens from AIDS patients

would be undertaken, which would have identified African Swine Fever virus should it have been present.

"According to the memos, a small number of positive reactions in the blood tests were dismissed as 'false positives'."

Agriculture officials denied that the department has tried to block research on an AIDS-swine fever connection. One official, Dr. Wesley Garnett, said he was "more than happy" to give Belkades the swine fever material he needed to conduct his tests. Belkades complained that it took him three months to get the material from Agriculture, and said: "They treat you like you're crazy. That's no way to do science. Human life is at stake."

The most that government doc-

tors will concede is that the swine fever virus could be a "co-factor" in the spread of AIDS.

"There is probably no connection," said Agriculture consultant Dr. William Hess, "but I would like to see Belkades finish his work. ... I don't think African Swine Fever could cause AIDS by itself, but many people feel there are co-factors helping (the AIDS virus) along."

DIPLOMATIC DIGEST: Which U.N. diplomat does the United States trust the least? Apparently the Libyans. They are the only U.N. diplomat not allowed out of the five boroughs of New York City. These tight restrictions don't apply to Bulgarians, Cubans, Czechs,

East Germans, PLO members, North Koreans, Vietnamese or Soviets.

Our intelligence sources predict a change of leadership in Poland before long. Gen. Wojciech Jaruzelski's health is worsening, they say, and he might be thinking of stepping down. One problem that has plagued him for years: a bad back.

— For many years, American and other Western companies doing business in Saudi Arabia have had to tolerate restrictions on women's activities and a ban on alcohol. Now the Saudis are putting another restriction on the foreign devils who want to operate in their country. They want all operations conducted in Arabic.

Communication complex process

By Mahidun Khwaja, Management Club VP

Communication is an active process in which information (including ideas, specifications, goals, feelings, etc.) is exchanged among two or more people. A good manager realizes that this is a complex process, in which a message moves through coding, transmission, and decoding, before creating action. Only then can the manager judge the adequacy of the communication, by evaluating feedback from the process.

Although a human being might be considered to be a natural communication, several barriers exist to accurate and effective communication. A good manager has to make a continuous and conscious effort to recognize and overcome these barriers.

It is important to develop good

habits for getting the message across when sending information, and for actively listening when receiving information. This will enable managers to overcome distortions, information overloads, and fuzzy communication.

Organizations need formal communication networks in order to function effectively. Managers must understand their organization, its goals, and needs so that they may establish the right channels and use the proper communication methods.

From a manager-student point, the purpose of communication is threefold.

1. To implement plans and programs.
2. To coordinate the actions of all groups and individuals involved.
3. To motivate and promote enthusiasm among those who

perform the work.

However, you as a human being can benefit by improving your interpersonal communication skills. You can do this in a number of ways:

1. Attract the other person's interest by giving warm and friendly and bring your full attention to the person to whom you are talking.
2. Make sure your ideas and instructions relate to the interest of others.
3. Use concrete illustrations and examples.
4. When confronted by resistance or indifference, give the other person a chance to think over and ask him to be specific about an objection. Say what is on your mind without implying that you will drop the idea.
5. Don't be afraid to repeat yourself. However, use different terms and approaches to support

your idea.

6. Welcome arguments if they constitute a genuine feedback. This will help you, as a sender, to clarify a communication.
7. Watch the tone of your voice. Sound sincere and respectful for the other person's point of view.
8. Develop your credibility. Do what you say, and base your instructions and directives on the promise of a certain known course of action.

Effective communications are more than often taken for granted. They require a good amount of technical skill and great sensitivity. Their goal is always to accomplish a purpose, and you should make every effort to improve your sensitivity and communication skills.

Associated Press

SEATTLE — Statements from executives of Northwest Airlines and the Boeing Co. could mean a \$2 billion deal could come together in the next few days until would launch Boeing's proposed new 747-400 jumbo jet, a Seattle newspaper said.

Steven G. Kothmeyer, Northwest Airlines president and chief executive officer, said Friday the carrier would announce a major aircraft order within a few days.

At the same time, Joseph F. Suter, executive vice president of Boeing Commercial Airplane Co., told a group in Hong Kong that Boeing expects its first order for the new 7,000-mile range 747 very soon.

Boeing spokesman in Seattle said he couldn't confirm the report Friday in The Seattle Times.

"I don't have the information," said Dick Schein, a spokesman for Boeing Commercial Airplane Co. "I can't confirm any statements that you've heard," he said of the Times story.

The newspaper said the airline is expected to purchase up to 30 of the \$125 million jetliners, which could be ready to fly in 1988.

Suter said Qantas Airways Ltd. of Australia and Singapore Airlines are considering the aircraft.

Boeing has been hoping to start production on the jet by the end of the year. The work is expected to increase employment at the Everett plant where 747s are assembled, but will be integrated into the existing production program, the Times said.

Boeing has delivered 620 of the jumbo jets since it went into service in 1970.

WAVE

100% more programming and more effort to increase and overcome these barriers.

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'CANE

(continued from page 1)

One of the perils has long since drifted into a drunken sleep. The boy counted the four trees in the four yards. One is doing Christopher Reeve impressions on the beach balcony. The fifth, strangely, does not seem quite so careful. He is sobered by fear as he watches a wave settle several feet below the back door.

At 1:30, announcers on the radio repeat that the eye of Hurricane Janelle is less than 30 miles off the coast of New Smyrna. Reports are coming in from Jacksonville to Vero Beach of gale force winds and above. A gust of 103 mph was reported at Fort Coast Guard station several minutes ago. All go into shock, however, as the newscaster declares the Daytona Beach Regional Airport's fastest wind-speed as nearly 110 mph. People begin to huddle closer together. Even the tough guys are in a

solemn mood.

"We will keep broadcasting as long as we may safely do so," a popular FM radio station comments, "and we will report only confirmed news in an attempt to avoid rumors. Do NOT accept to unverified varying stories in your worst." "Static." "We are now broadcasting from our auxiliary unit near Deland. Apparently our main antenna has sustained damage."

Winds roar faster and faster, as the outer fringes of Janelle's eye approach New Smyrna. Reports of 120 to 130 mph are not uncommon, and the tension crackles in the air like a static charge. Several tornadoes have plowed through St. Augustine, which is feeling the perimeter of Hurricane Janelle.

Deland is a lake, as torrential rains flood the low-lying areas. But of all the areas, Daytona Beach is feeling the brunt of the

storm. The few riverfront stores still intact are held together by miracles more than materials.

The winds, originally from the north, are swinging rapidly, now from the east/northeast. With every degree of movement, the wind change pushes the brackish waters of the Halifax River further inland, forging new avenues of devastation in the commercial district.

At approximately 1:53 p.m., the eyewall of Hurricane Janelle crosses the shoreline at New Smyrna Beach. Winds outside Dorn I on the ERAU campus scream at 160 mph as the building trembles from the enormous pressure against its walls. Suddenly, it is quiet—ghostly quiet. The raining has stopped, and patches of blue skies appear.

Even at this, no one ventures outside. Word circulates down the hallways that Janelle's eye is

overhead, but before anyone can get to a vantage point, the wind begins to increase. This time it moves from the southeast.

Though Janelle's fury still ravages the area, the highest her winds reach is 123 mph on the back side of the storm. As the hurricane moves inland, it weakens considerably, and by late in the afternoon, people begin to emerge from the shelters.

At first glance, the campus appears intact, but with closer inspection, the damage becomes more apparent. What used to be the softball backstop now rests solemnly on the opposing field. Several windows in the Academic Complex are missing, and glass litters adjacent parking areas. One line of cars are crushed under the weight of a fallen pine tree. The Embury-Riddle billboard

very soon.

A flooding spokesman in Seattle said he couldn't confirm the report Friday in The Seattle Times.

At the center is no more; points serve as the only remnant of the former advertisement. The shellied lot by the softball field now strongly resembles Lake Apopka. With the exception of those occurrences, ERAU seems to have been spared any major catastrophe.

The same cannot be said, however, for the rest of Daytona Beach. Radio reports now bring new calls of destruction throughout the area. Fortuity gets the best of many students—they head for their cars. They race off of the Middle grounds to see the mounted destruction leveled by the inland trudging Hurricane Janelle.

ALCOHOL ABUSE

Focus of events

By Steve Caple, Avion Staff Reporter

The week of October 21 — 27 has been declared National Alcohol Awareness Week.

Several events are scheduled on campus this week to be the increase student awareness of the problems associated with alcohol consumption.

Today and Thursday in the U.C., Sigma Chi and the American Red Cross will be distributing information on Alcohol content during the blood drive between 9:00 a.m. and 4:00 p.m. Wednesday evening at 8:00 p.m. in the CPR, Attorneys Terrell J. LaRue and Philip H. Elliott Jr. will present a seminar/discussion on the legalities and liabilities associated with serving alcohol at parties.

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ΣΦΔ

Sigma Phi Delta

By Tom Rau
Historian

Great news, Gary has come up with at least two good professional events. On the schedule for this tri we have a guest speaker from NASA and a trip to the Gramman facilities at St. Augustine. I'll have more details for you on these two events.

Gary is still working on the money for GE and Pratt & Whitney, so even if they don't open out for this tri, we will have

something to look forward to for next trimester.

Social s... has some more parties planned for this tri, after the success of the Phi Party, we can hardly wait. Of course, at this time of the year the one we look most forward to is the end-of-the-trip party.

I hope you pledges all enjoyed last Friday's live-out. I hope you all study your lessons a little harder from now on... else suffer the consequences. I hope you're all looking forward to

pledge weekend. I know all the Brothers are. I can't wait to see all of you busy on your project, nothing warms the heart more than to see all the pledges busy.

Last week we received two nominations from Brother Charlie Pittenger who was once again kind enough to remember us, and some books for the library from Mr. Roberts. We would like to thank them both for their generosity.

Don't forget folks we've got the camping trip coming up, so start getting your supplies together.

ΛΧΑ

Lambda Chi Alpha

By Alan Williams
Vice-President

The past week has been a busy one for Lambda Chi. This past week started out on Friday when our famous IZRAAC committee took a road trip to Tampa to see our fellow Brothers at the University of South Florida. Well, not wanting to miss any fun, Brother Pat Grady of USF came back to see the rest of Sigma-Phi for the weekend.

The weekend began on Saturday night when there was the continuation of an ancient but not

often used tradition in this chapter: A Bachelor Party. Phil Metz our faculty advisor has decided to try an alternate way of life so it was only fitting that we give him a proper sendoff on this new adventure. We all, sure he will have much luck and happiness. The outrageous fun of Saturday night was replaced on Sunday morning by a relaxing Beach Party. Brothers and Associates enjoyed the sun while playing volleyball, swimming and eating lunch.

This week for Lambda Chi will be a little slower but no less ex-

cit-ing. On Friday a large number of Brothers, associates and friends are going to attend the Night Ranger/Starship concert followed by a road trip to Atlanta, Georgia on Saturday so that they can attend Brother Phil Metz's wedding. Sunday we find the men in green and gold once again on the grid iron ready to rough it out. Go get them guys!

Next week never goes by without our "L.A. Day" as showing "The Fraternal 2,000" raise you ever wondered what a Fraternal is and what it does? Well don't hesitate to find out, just ask anyone in a green and gold jersey what the Fraternity of Honors Friendship is all about!

AFROTC

By C/PLT Brad Meilo
Public Affairs

And the winner is? Yes, the Detachment. Newspaper finally has a name, "The Landing Edge" has been chosen as the title for the paper and Dean Rosequist can pick up his framed picture of an F-16 Fighting Falcon for his winning entry. The newspaper staff would like to congratulate Dean and thank everyone that submitted ideas, it was a tough decision.

All cadets are reminded that there is a sign in the Detachment.

for the river boat cruise, which is to take place after the Dining Out. GMC's as well as POC's are invited to attend, fee cost is \$10 and you must be of legal drinking age. More information is available in the Det.

We are proud to report that the trip to Patrick AFB was a complete success. A group of cadets, mostly GMC's, boarded a van and drove down to the installation where they were treated to a two-and-a-half hour ride in a "Jolly-Green-Giant".

The trip to MacDill was just as

successful, this took place two days after the excursion to Patrick. Twenty-five randomly selected cadets flew out of Daytona Beach Region in a Convair 440, destination MacDill AFB in Tampa. This also turned out to be a very enjoyable trip.

POC's are encouraged to check out where they would like to go for ATP, and what command they would prefer to enter. Don't forget to check the display board in front of the Detachment to find out which flick will be playing on Thursday, 24 October, during "Miller's Munchtime Movie Madness."

AHP

Alpha Eta Rho

By John Heam
Correspondent

AHP had an eventful week since the last gossip column. The football team got a break this week; there was no game. Therefore, no one was in a bad mood from losing. Minsky's still got the Fraternity's beer business.

through at the last minute. The diehards still willing to play are Brother Devin "Crab" Stargel, Brother Ron "Psyco" Pantelena, Brother John "Zeigler" Heam, and three pledges. The diehards still want to play on anyone's team as long as the team keeps its word.

Don't I had challenged the Brothers of AHP to The Ultimate Game. Enthusiasm ran very high at the announcement of the challenge. Hands were held high as the Brothers declared to play and beat, without mercy, the "complex crew." Don't I put down a deposit to receive the field. The fraternis meeting before the game, a second show of hands was called for. WHAT!! Only six hands went up out of the group of sixty that the week before had sported twenty-two. Once again the Brothers were too cheap to play. The reason not for playing could not have been an football game since there was no game for that Sunday. The pseudo-macho Brothers live up to their usual of felling

Brother Pat "Jet Ski Maniac" Averis is proceeding with a special upcoming tour of NASA. Several strings are being pulled to get through the red tape that accompanies such a request. The Brothers are hoping to get a tour of the Main Assembly Building where the shuttles are prepared for launch.

The pledge class is well on its way somewhere. Second interviews are this Friday, October 18. The pledges are supposed to be studying the lessons for the questions that will be thrown at them. Last Tuesday the pledges took a test designed and administered by Brother Scott Poper. This written exam tested the knowledge of the pledges on fraternity matters.

Several dummies found that they did not know much.

Shout News Items - There is a growing faction in the fraternity to remove one's hair, and in certain individuals, to shave it. This movement was started by none other than Brother Dave "Skinhead 11" Kraska. This cancer has spread to fifteen more Brothers and pledges. No one is sure, not even U.S. Military intelligence nor the National Security Agency, what these infamous individuals are up to. It is rumored that these Brothers believe that if they shave their hair to the scalp they will get big and strong just like the cartoon character, He Man. Fortunately, none of these heathens "have the power" nor will they in the next fifty years. Anyone wishing to donate marbles for the honorables of the Skinheads is urged to send them to Box 6137.

Oh yeah, the weekend committee, Winchies and Emma Foo, planned something for the fraternity to do, but no one remembers what it was. Stay tuned for the next episode when Brother Ben Barrocas asks, "Doodle case it president?"

ΣΧ

Sigma Chi

By Claude P. Franco
Chapter Editor

help from the school and community the Phi Cross is anticipating a big success. Millions of people benefit from your contribution. Be a donor, please give blood.

Working in conjunction the same week as the blood drive is National Alcohol Awareness Week. Sigma Chi will be handing out brochures during the blood drive concerning the important facts of alcohol intake.

Sigma Chi is continuing their fantastic work on the Sigma Chi/Red Cross blood drive. The blood drive, which is being held in the University Center on October 23rd and 24th, serves as the largest in Central Florida. A few minutes of your time to donate blood will be very much appreciated. Being a blood donor brings one much self-satisfaction and brings others much-needed blood. We ask all students, faculty, and kiddie staff to donate. The Red Cross nurses, staff, and Sigma Chi fraternity will be glad to assist all with information, about donating blood. With the

Even with the busy schedule next week, Sigma Chi is working round-the-clock on Greek Week. Brother Claude P. Franco, a member of last year's heroic and controversial chariot team, anticipates a challenging week. "All

fraternities are looking strong," states Franco. "However, we have no plans of giving up the trophy." In conclusion, Sigma Chi looks tough and is ready for their title defense.

House renovations are now complete. Sigma Chi now has new pillars and a new roof. House Manager Tom Falkner is very satisfied with the work the construction crew completed. "The House is now much more stable and looks fantastic," states Brother Falkner. "We are all very satisfied."

Please remember the blood drive, we hope to see you all donating. Any questions, concerning the blood drive, please contact Brother George Zinniger at 252-2277. And a safe and happy to all.

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Protestant Services 11:15a.m.
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Action photo by Patricia McCarty



Action photo by Patricia McCarty

Riddle Regatta '85



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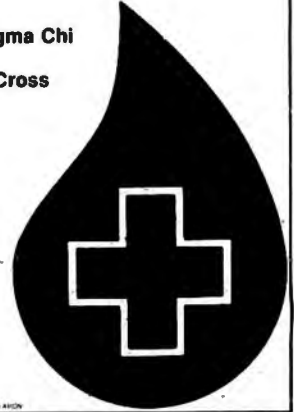


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New space helmet to make life easier

By National Aeronautics and Space Administration

KENNEDY SPACE CENTER, Fla. — NASA's Space Station astronauts may be equipped with an electronically-enhanced space helmet fit for a Jedi Knight.

Computer-generated visual displays and voice instructions could replace the printed shop manual when Space Station crewmembers embark on a maintenance job, according to the findings of a KSC-contracted study.

Already developed high-technology hardware may form the basis for a computer-based technical documentation system that could deliver see-through graphic displays and voice-interactive instructions to the helmet of a spacewalking astronaut.

Consideration of such "how-to-fix-it" aids has been recommended to NASA by Boeing Aerospace Company, while conducting a Space Station Maintenance Planning and Analysis at Kennedy Space Center.

VIMAD, standing for Voice Interactive Maintenance Aiding Device, is a technology that provides visual and audio outputs upon voice request by the user.

It may sound like a device for Luke Skywalker's X-fighter, but VIMAD is already being prototype tested in some operations.

VIMAD is just one of a variety of data handling concepts that will be generated by the Boeing study to help NASA assess how to best approach the challenging task of on-going maintenance of the Space Station.

The amount of technical reference material that will be required to enable Space Station astronauts to perform routine maintenance and repair activities is equivalent to about 30,000 printed pages, study managers say.

That's enough to fill five, four-drawer file cabinets and represents about four tons of weight.

The logistics of managing all that paper on orbit is enough to make Space Station planners to explore more efficient systems. Analysis of the technical information requirements is just one task in Boeing's study assignment

to provide an overall evaluation of in-flight and ground maintenance processes.

KSC's effort in the area of maintenance is complementary to the broader, agency-wide activities that will lead to preliminary design for the Space Station.

Because the Space Station is conceived as a continuously habitable facility, designed for growth in both size and functional capability, the requirement for "maintainability" is a key consideration in its architecture.

The Boeing Space Station Maintenance Planning and Analysis study is being performed under a one-year \$250,000 fixed price contract that includes options for two one-year extensions.

Kennedy Space Center is conducting studies in Space Station ground processing, facilities requirements and logistics support to complement and support current Phase B study activities at the NASA design centers.

The study has been assigned responsibility for preflight and launch operations and will be involved in Space Station resupply and other logistics activities.



Astronaut James Fisher hangs onto the Synchronous 1-1 satellite during repair activity on Mission 51-1 last September. A new way of giving astronauts instructions — by displaying the

instructions on the face plates of the helmet — will make work a lot easier for Space Station operations. The helmet is part of a Boeing study vs part of Phase B Station development.

Martian past reveals wet, planet shaping activities

National Aeronautics and Space Administration

Ice, snow, flowing rivers and vast lakes may have played a major role in shaping the ancient Martian surface and climate, a panel of scientists have reported.

At NASA's Ames Research Center, Mountain View, Calif., their scientific presentation grew out of research discussed at the "Water on Mars Workshop," which brought 83 scientists to Ames last winter and included more recent work in this

result, the polar ice caps may have sublimed (changed directly from a solid to a gaseous state) into the atmosphere during the continual daylight of polar summer.

Vapor from the caps would have been carried by Martian winds to the equatorial regions. At the equatorial latitudes, where night always alternates with day, the chill of nightfall would have precipitated water vapor as snow, Jakoby said.

Equatorial Snow
Gary Clow of the U.S. Geological Survey, Menlo Park, Calif., reported that an equatorial snowpack could have been heated by sunlight trapped inside the snow fields. A reflective insulating blanket of snow can trap sunlight, much as a

greenhouse holds the sun's warmth.

Thus, even if the surface of Mars had still been cold, melting beneath an insulating snowpack could have let water escape to carve the "valley network" channels of Mars. These valley network channels as well as larger outflow channels — both strongly resembling dry riverbeds on Earth — were photographed by Mariner 9 in 1972.

The larger outflow channels are thought to have been created by sudden release of enormous amounts of subsurface water.

dioxide (an effective infrared absorber), it is to thin that it cannot trap the heat of the sun.

Dry ice (solid carbon dioxide) covers the polar regions of Mars. Water-ice lies underneath the northern cap and perhaps under the southern polar cap as well. The water-ice at the northern pole is revealed when the overlying dry ice vaporizes each summer.

Frozen Water

Water-ice in the Martian polar caps does not melt because the temperatures rarely climb above freezing, except at the equator. It sublimates directly into the atmosphere, forming whirly clouds on Mars. Earth's billowy clouds are formed by tiny droplets of liquid water.

Today, ice is present in the Martian ground in regions above 30 degrees latitude according to

Government says tilt-rotor needed

National Aeronautics and Space Administration

WASHINGTON, D.C. — The Federal Aviation Administration, the National Aeronautics and Space Administration and the Department of Defense have signed a memorandum of agreement to conduct a joint study of the possible benefits to the nation of the continued development of tilt-rotor aircraft.

The three agencies have agreed to undertake this joint study to assess the broader implications of the V-22 aircraft development to

cess of the XV-15 has led to a larger tilt-rotor aircraft, the V-22 Osprey, now being developed for the Department of Defense.

The V-22 is expected to bring the tilt-rotor configuration closer to maturity, enabling lower risk development of other versions and sizes, both military and civilian.

Benefits to the DOD could accrue through technology spinoffs, determination of future industrial resource requirements for tilt-rotor aircraft, and potential availability of industrial capability for conversion to

planet shaping activities

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The larger outflow channels are thought to have been created by sudden release of enormous amounts of subsurface water, which may have dug the channels in a matter of weeks. The valley network channels, which Clow has studied, are smaller and indicate the existence of a more moderate climate on early Mars, allowing liquid water to flow for long periods of time.

Ancient Lakes

Huge ice covered lakes also may have existed on the ancient Martian surface in the immense Valles Marineris canyon system, according to Steven Squyres of Ames. Viking photographs of the floor of these canyons, Squyres said, reveal thin, flat-lying layers of sediments which appear to have been laid down in standing bodies of water.

Today, Mars is so cold that all the water on its surface freezes. Although the Martian atmosphere is 95 percent carbon

dioxide lies underneath the northern cap and perhaps under the southern polar cap as well. The water-ice at the northern pole is revealed when the overlying dry ice vaporizes each summer.

Frozen Water

Water-ice in the Martian polar caps does not melt because the temperatures rarely climb above freezing, except at the equator. It sublimates directly into the atmosphere, forming whirly clouds on Mars. Earth's billowy clouds are formed by tiny droplets of liquid water.

Today, ice is present in the Martian ground in regions above 30 degrees latitude, according to Squyres and Michael Carr of the U.S. Geological Survey. Examining Viking photographs of impact craters, Squyres and Carr found evidence of "terran softening" — a rounding off of features indicating water activity beneath the surface.

The presence of ice indicates that liquid water exists deep within the planet, according to Carr. Half a mile beneath the surface, water in the pores of Martian rocks is liquid, Carr says. It is heated by the high temperatures present at these depths in the Martian crust.

Besides Earth, Mars is the only planet in our solar system that experiences cyclical changes in climate. Understanding past and present conditions on Mars will help scientists decipher Earth's climate, said Haberman.

tilt-rotor needed

National Aeronautics and Space Administration

WASHINGTON, D.C. — The Federal Aviation Administration, the National Aeronautics and Space Administration and the Department of Defense have signed a memorandum of agreement to conduct a joint study of the possible benefits to the nation of the continued development of tilt-rotor aircraft.

The three agencies have agreed to undertake this joint study to assess the broader implications of the V-22 aircraft development to the nation as a whole. This includes the potential for other versions and sizes, both civil and military; civil certification issues; civil production impact on the industrial base; and any indirect technology spin offs.

Tilt-rotor aircraft combine the best features of both helicopters and fixed-wing aircraft. They are the vertical take-off and landing ability of the helicopter with the relatively higher cruising speed and longer range of fixed-wing aircraft. They achieve this by use of rotors that tilt to act like a helicopter rotor during take-off and landing and perform like a conventional propeller for cruise flight.

A small proof-of-concept aircraft, the XV-15, has been successfully tested (*Avion*, September 11, page 15). The suc-

cess of the XV-15 has led to a larger tilt-rotor aircraft, the V-22 Osprey, now being developed for the Department of Defense.

The V-22 is expected to bring the tilt-rotor configuration closer to maturity, enabling lower risk development of other versions and sizes, both military and civilian.

Benefits to the DOD could accrue through technology spinoffs, determination of future industrial resource requirements for tilt-rotor aircraft, and potential availability of industrial capability for conversion to military use in wartime.

The FAA will be responsible for certifying any civil version of a U.S. tilt-rotor aircraft and must assess its impact on the National Airspace System, airport and helicopter development, and other air service needs.

NASA has acquired a high level of expertise in this area during the development and flight testing of the XV-15. The agency also has the capacity to study utilization of NASA-developed technology and to assess future research needs.

FAA will chair an executive steering group, consisting of two members appointed by each agency. The executive steering group will oversee the conduct of the joint study which will be led by NASA. Completion of the study is expected within 2 years.



From the Viking lander on Mars, this photo shows the surface, apparently dry. Scientists say water was once present.

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Center, Mountain View, Calif. Their scientific presentation grew out of research discussed at the "Water on Mars Workshop," which brought 83 scientists to Ames last winter and included more recent work in this active field.

Early in the planet's history, according to Bruce Jakosky of the University of Colorado, Boulder, the Martian poles were tilted more directly toward the sun than they are today. As a

night always alternates with day, the chill of nightfall would have precipitated water vapor as snow, Jakosky said.

Equatorial Snow

Gary Clow of the U.S. Geological Survey, Menlo Park, Calif., reported that an equatorial snowpack could have been heated by sunlight trapped inside the snow fields. A reflective insulating blanket of snow can trap sunlight, much as a

bathtub chimney — both being by resembling dry riverbeds on Earth — were photographed by Mariner 9 in 1972.

The larger outflow channels are thought to have been created by sudden release of enormous amounts of subsurface water, which may have dug the channels in a matter of weeks. The valley network channels, which Clow has studied, are smaller and indicate the existence of a more moderate climate on early Mars, allowing liquid water to flow for long periods of time.

Ancient Lakes

Huge ice covered lakes also may have existed on the ancient Martian surface in the immense Valles Marineris canyon system, according to Steven Squyres of Ames. Viking photographs of the floor of these canyons, Squyres said, reveal thin, flat-lying layers of sediments which appear to have been laid down in standing bodies of the water.

Today, Mars is so cold that all the water on its surface freezes. Although the Martian atmosphere is 95 percent carbon

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NASA photo

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TRACKS



Anyone for Riddlesex?

By Tim Mastward
Entertainment Editor

Sex and the single guy

Last week the College Press Service reported that the sexual revolution on campus seems to have ended. The reason? More women are saying no.

What about us men? It seems to be commonly believed that men never say no and that women are always left to make the decision. Has anyone ever bothered to survey men to find out how they feel about 'sex on campus'? Obviously not. Sounds like double standards in a day when women's liberation is supposedly resulting in sexual equality.

It's as if the guys have to 'work for it.' If women's lib really works, maybe it's time to make the women 'work for it' and time for the men to say "no" once in a while.

But can the guys handle it? The double standard, although not talked about a whole lot, is still evident and in practice worldwide. According to the world, men are supposed to be the dominant and women the submissive. Which, of course, is a bunch of bull. Guys get kitty-whipped pretty easy, even though admitting it is another story altogether.

It seems as though women expect men to 'try something' all the time and, as a consequence, are continually on the defensive. This is not altogether stereotypical but is probably true in a majority of the cases.

So what am I trying to say? It's time for the guys to deflate egos a little, say "no" on occasion, and prove that equality can work. The College Press Service may even someday ask men about their views on 'sex on campus'.



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Silent Service

By Robert Walt
Avion Staff Reporter

It's May 1944 and you are on the submarine USS Tang. You have been cruising the Japanese-controlled waters of the Yellow Sea for two weeks now, searching for Japanese convoys. Finally you spot one: 30' off the port bow. Through the binoculars you identify the ship, one by one. At your range you can pick out at least two destroyers acting as escorts. You choose your plan of attack, adjust your heading and launch a spread of torpedoes. Sure, only the destroyers turn your way, intent on delivering a depth-charge attack. "Dive! Dive! Rise for depth-charge! Rise for silent running!"

Silent Service, produced by Microprose Software, is a submarine simulation that puts you in command of a WW II submarine.

The game generates various screens that you will encounter. An overhead view of the South Pacific is provided for you to navigate your ship until a convoy is sighted. This screen has a zoom control that allows the area being searched to be viewed in greater detail. The conning tower is the captain's primary station in battle. It contains the attack perimeter, map plot, critical instruments, gauges, and sub-

configured on page 112

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The Ad above written by the ERAU

Concert Comments
Entertainment Editor



Featuring:



From left: Jeff Watson, Jack Blades, Brad Gillis, Alan Fitz Gerald, and Kelly Keagy

By Tim Markwald
Entertainment Editor

Just thirty-six months ago, a band premiered that had a vision. A vision of lasers and American rock and roll. The band is called Night Ranger and the Bay Area is their home. The band straddled the coyness that first year playing straight-up rock and roll, American as baseball, and burgers. Their first hit, "Don't Tell Me You Love Me," off their *Dawn Patrol* album, became a regular video for MTV and a hit on AOR radio.

Night Ranger's second album, *Menagerie Mutates*, Americanized the world with "You Can

Silly Rock in America," did not have a small success. The album spent over a year on *Billboard* magazine's Hot 100 Album Charts, sold two million copies, and resulted in three number one AOR tracks: "Rock in America," "When You Close Your Eyes," and the ever-popular "Sister Christian," which also became a Top Five Pop single.

Night Ranger has now continued their place as one of America's premier bands with their third album, *7 Wonders*. The first single, "Scandalous Stiletto," has an addictive chorus, while "Night Machine" is a guitar belouser.

Night Ranger originated from

a California funk rock band called *Phonon*, co-founded by Jack Blades. Night Ranger's bassist and one of the two lead vocalists, Guitar Brad Gillis, from *Daddy G* was the band, and drummer Kelly Keagy joined also before the break up in 1979. Then they laid the cornerstone of today's Night Ranger in the form of a short-lived group called *Sirens*. At this time, Alan "Fitz" Gerald, keyboardist, and Jeff Watson joined. They played regularly with the Double Brothers, Santana, and Judee Sill at their dissonant and eventual live to stadium.

Night Ranger kicked off their show with an incredible blast of pure rock and roll, playing songs from all three of their albums and

treating the sell-out crowd at the Lakeland Civic Center to a show that will be remembered for a long, long time.

The crowd absolutely went nuts over the show antics of Jeff Watson and Jack Blades as they ran first to stage right and then stage left. Pyrotechnics also helped start the Night Ranger act off with a bang.

From where I was, about 3 feet from the direct center front of the stage, my ears were literally blasted away by the heavy rock that this group put out. It was raucous but awesome and a creation of pure excellence to the utmost degree. Night Ranger, a relative newcomer to the world of rock and roll, reacted to the au-

dience as if they were singing to every one of the individuals. A few overzealous fans climbed over the stage barricade, to where I was, but the security people promptly and courteously carried them, on their backs, to the edge of the stage and back into the crowd. People were actually getting trampled by the over-the-head crowd that preceded me to get to the front of the stage. This was one hell of a hot act.

After the encore (I lost track of how many there were), I was invited to attend a post-show reception with Night Ranger and had an opportunity to talk to each of the members at length about what it's like to tour and

confront an entire tour of sell-out crowds.

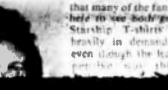
The impression I received from the band was one that truly impressed me. They enjoy the tour—through the hours and the heat, despite the illness. It is one that personally, I would never want to be stuck with. It is incredibly difficult to try to pinpoint what it is that makes a group like this tick. Such a success except that teamwork, a love for what you do and I suppose a certain type of magic, has a lot to do with it.

And, if I ever get another chance to see Night Ranger in concert, I will do everything possible to make sure I'm there. Night Ranger can be summed up in one word—*incredible*.

STARSHIP

By Tim Markwald

The Starship, or is it Jefferson Starship? It doesn't really matter, I



that many of the fans were here to see both groups. Starship T-shirts were heavily in demand and even though the last set got the best reaction,

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The Starship, or is it Jefferson Starship? It doesn't really matter, I guess. Here we have a band that first formed over eleven years ago, in February 1974, and, even with countless member changes and personal stiffs, is still an all-time winner.

Of the original group, which was comprised of Paul Kantner, Grace Slick, John Barbata, Papa John Creach, David Freiberg, Peter Kaukonen, and Craig Chaclico, only two remain, Grace Slick and Craig Chaclico. And of those two, only Craig Chaclico has been with the group the entire time.

In October 1974, *Dragonfly*, the first album for the group, was released and in only four months' time was a certified gold album. By this time, Pete Sears had replaced Peter Kaukonen and Marty Balin had joined up with the group. Pete Sears has stayed with the group the entire time since then.



Pete Sears



Craig Chaclico



Grace Slick



Mickey Thomas



Donny Baldwin

In May 1975, the band gave a free concert in New York's Central Park for over 100,000 fans and the next month released *Red Octopus*. This time it only took two months for their album to be certified gold and the band was off and running. On September 6, 1975 *Red Octopus* hit the number one spot on the *Billboard* charts and the next month reached platinum status with sales of over 2.5 million.

Spitfire, released in June 1976 was certified gold in November of that year, and less than two

years later the "Earth Day" premier of the album *Earth* was aired nationally to 20 million fans. "Earth Day" was February 25, 1978 and two days later the album was certified gold.

Misfortune struck on June 17, 1978 when a riot at Lordy Festival in St. Gouarshausen, Germany destroyed over a million dollars' worth of equipment. Two days later, Grace Slick left the group, not to return for over two years. Marty Balin assumed lead vocals.

In October 1978, disaster

struck again, with the auto crash of John Barbata. Former Journey member Aynsley Dunbar replaced him on drums.

This, however, did not hurt the band critically, as in January 1979 the *Gold* album was released and immediately went gold. Three months later Mickey Thomas from Elvin Bishop band replaced Marty Balin as lead singer.

Since that time, the group, with minor changes in members, released four more albums all certified gold, and their newest,

A New Deep In The Hoopla, was released just last month, which features the hit single "We Built This City on Rock and Roll."

Oh, the official name changed from Jefferson Starship to Starship in March of this year, just prior to the recording of their newest album.

Starship. The name alone seems that there is something different. And they've been around long enough that they deserve to be different.

Although Starship kicked off the concert, there was no doubt

Night Ranger, the fans didn't want to see them go. They wanted a night of rock and roll and they definitely got all they wanted, plus some.

The Starship show was an orgasm of reminiscence of what rock and roll used to be all about. The new Starship is not revamped. The new Starship is rock. It is 80's rock and roll and the change is beautiful and a joy to behold. Starship holds their own in the world of rock and no one will ever take away the spot that only Starship can fill.

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Starship t-shirts were heavily in demand and, even though the least expensive was thirteen dollars, were selling like hotcakes.

It's hard to try to play all of your number one hits in a mere hour when you have as many hits on record as Starship does, but they tried. Song after song was played; everyone knew them all and loved them all. And when the time came for the band to relinquish the stage to Night Ranger, the fans didn't want to see them go. They wanted a night of rock and roll and they definitely got all they wanted, plus some.

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ERAU golfers sixth, at Invitational

By Brian F. Finnegan
Golf Club Secretary

Exhibiting a growing cohesiveness and team spirit, the Golf Team played to a sixth-place finish at last weekend's Fourth Annual ERAU Invitational. Nine teams from across the state played in the 2-day, 54-hole tournament held at the Pelican Bay Country Club.

Suffering a lingering cold, ERAU's number one player John Rossi continued his team leadership with a three round tally of 250. Drew Norman posted the team's second best score of 233 and Tim Walton, struggling with a swollen ankle, finished third-best with a 235. Brian Thomas, Terry Burns and Scott Corrao rounded out the ERAU field.

Tournament honors went to the University of Tampa who finished in the lead after both days of play. The individual low gross for the event was earned by Florida Atlantic University's Blake Wilson who shot a 220. FAU's team finished second and Stetson University took third. Rollins College and Florida Junior College were fourth and fifth. The teams from Eckerd, Flagler and Webber Colleges finished seventh, eighth and ninth respectively.

The Golf Team has a busy schedule for the next several



Golf team members (from left): Brian Thomas, John Rossi, Tim Walton and Drew Norman hosted the recent Invitational. Not pictured: team members Terry Burns and Scott Corrao.

practices commencing with a week of practice and fine-tuning. They will then be playing 18 holes with many of the supporters who participated in the Golf Scholarship Fundraiser this past summer.

"We're doing it in order to show our appreciation," said team coach Dick Bryant. Each of the seven team members will play in a foursome with the Golf

Team supporters. Included among the players are University President Ken Tallman, Vice-President and Director of Development Jack Fidel and Pelican Bay Club Champion Pat Nealis. Spectators for the Oct. 30 event are welcome, as always.

Daytona Beach will be the host city for the Florida State Championships this year. The 3-day

tournament will be held at the Pelican Bay Country Club on Nov. 8, 9, 10. There are 21 colleges and universities registered to play including the defending champion University of Florida team. Play will alternate between the two courses with first and last day activity on the North Course.

Brian's Football Pool

Percentages to date: The Mick 410 The Greek 597

Atlanta	at	Dallas	✓
Buffalo	at	Philadelphia	✓
✓ Denver	at	Kansas City	✓
✓ Green Bay	at	Indianapolis	✓
✓ Houston	at	St. Louis	✓
✓ Miami	at	Detroit	✓
✓ Minnesota	at	Chicago	✓
✓ New England	at	Tampa Bay	✓
✓ New York Giants	at	New Orleans	✓
✓ Pittsburgh	at	Cincinnati	✓
✓ San Francisco	at	L.A. Rams	✓
✓ Seattle	at	New York Jets	✓
✓ Washington	at	Cleveland	✓
✓ San Diego	at	L.A. Raiders	✓
✓ Florida St.	at	North Carolina	✓
✓ Oklahoma St.	at	Kansas	✓
✓ Texas	at	SMU	✓
✓ Virginia Tech	at	Florida	✓
✓ USC	at	Notre Dame	✓

✓ The Greek's picks ✓ The Mick's picks ✓

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

NAME:
ERAU BOX:
PROGRAM:

Intramurals: Scores, Stats, and Standings

Final Football Standings

Team	W	L	T	Pts.	Pl.	A
Signa Chi	5	0	0	113	44	W3
Signa Phi	3	2	0	66	30	W1
Bronc Wind	2	3	0	36	48	L1
A.H.P.	2	3	0	49	35	W1
Lambda Chi	1	4	0	40	32	L2
Delta Chi	1	4	0	33	38	L3

Team	W	L	T	Pts.	Pl.	A
Honors	4	0	0	62	31	W4
Peanut Gall.	4	0	0	45	25	L1
Tallyho	3	1	0	46	28	W2

Top Ten

Offense	Defense
1. Sick Fox	Air Force I
2. Signa Chi	Org. Crime
3. Crunch Beach	Signa Phi
4. Blue Demons	Hoopers
5. Air Force I	Tailhookers
6. Busch Boys	Cruiers
7. PT Puffers	Busch Boys
8. Tailhookers	PT Puffers
9. Org. Crime	Sick Fox
10. Others	Peanut Gallery

Brian's Football Pool for 1985 is sponsored by Keith's "Northern Style Deli" Subs. To enter, cut out this entry form and circle who you think will win the matchups above.

Deadline for entries will be Friday, Oct. 25, at 3:00 pm. Entries can be dropped in campus mall or brought to the Avion Sports Desk.

A winner will be selected by the next issue. Winners are selected on the basis of the number of correct answers made on the entry form. Should a tie occur, the winner will be selected by the most accurate prediction of any game listed. The closest score will be considered the prediction which comes closest to both teams points. For instance, a person who guessed a score of 27-24, for a game ending with score 24-20, would be off by seven points.

One entry per person.

Tournament honors went to the University of Tampa who finished in the lead after both days of play. The individual low gross for the event was earned by Florida Atlantic University's Blake Wilson who shot a 220. FAU's team finished second and Stetson University took third. Rollins College and Florida Junior College were fourth and fifth. The teams from Eckerd, Flagler and Webber Colleges finished seventh, eighth and ninth respectively.

The Golf Team has a busy schedule for the next several

Golf team members (from left): John Rossi, Tim Walton and Drew Norman hosted the recent Invitational. Not pictured: team members Terry Burns and Scott Corrao.

practices commencing with a week of practice and fine-tuning. They will then be playing 18 holes with many of the supporters who participated in the Golf Scholarship Fundraiser this past summer.

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Brian's

✓ Texas	at	Kansas	✓
✓ Virginia Tech	at	SMU	✓
✓ USC	at	Florida	✓
✓ USC	at	Notre Dame	✓

✓ The Greek's picks ✓ The Mick's picks ✓

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

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New Aglia	2	1	0	48	38	W2
Cruiers	2	3	0	37	32	L2
Bronc	0	4	0	13	47	A

Top Ten

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2. Signa Chi	Org. Crime
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The winner will be able to receive a large sub sandwich FREE from Keith's Subs.

One entry per person. Remember to select a winner for every game. Last weeks winner was Terry Burns who correctly selected 14 of 19 games.

Ridgcrest Park APARTMENTS

1400
TAYLOR BLVD. FLA. 32114

- 2 miles from E-RAU
- Newly remodeled spacious 1 & 2 bedroom apts
- Beautifully landscaped 50 acres
- Private screened porch with storage area
- Adjacent to Benvina & Pic N Save shopping center
- Cable TV available, tennis, swimming pool
- Adult & family sections

258-3800

UMC'S ROCKS

300 S. Atlantic Ave.
Ormond Beach
672-3413

ROCK every Thursday

Happy Hour
Thurs & Fri
4:00 p.m.

Bring This Ad In And Your first Drink Is On Us

Live SUSPECTS. A Top 40 Rock Band
(No Cover)

ROXANNE'S HAIR WIZARDS

Special for students of Embury-Riddle

Shampoo, Conditioning, Cut and Dry

Only \$10

255-9672
Open Evenings

Come see Jake, formerly of Great Clips, Volusia Point

Located 200 feet North of the Daytona Mall behind Budget Rent a Car

SCOOBER'S

PIZZA DELIVERY

WE NEED YOUR HELP

During the last three months, the number of clients at Halifax Urban Ministries has increased drastically. Presently, they are averaging 20 families a day with emergency food needs. Naturally this put quite a burden on the food supplies.

Call for more information

Bulls	0	1	0	12	87	L4	Bonzai H.B.	4	0	18	128	L2	Crochet Hoops	21	0	11:00	FREE from Kolt's Subs.		
Football Results													Mad Dogs	0	Lambda Chi	vs.	Bosch Boys[M]	One entry per person. Remember to select a winner for every game. Last weeks winner was Terry Burns who correctly selected 14 of 19 games.	
Last Sunday, Oct. 20													Hormones	13	Hormones	vs.	Sigma Chi[C]		
Delta Chi													H.O.W.	vs.	Blue Demons[S]				
A.H.P.																			
	0	0	12	87	L4	Bonzai H.B.	4	0	18	128	L2	Crochet Hoops	21	0	11:00	FREE from Kolt's Subs.			
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													H.O.W.	vs.	Blue Demons[S]				



Ridgecrest Park APARTMENTS
 1408 S. W. 14th RD
 DAYTONA BEACH, FLORIDA 32114

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- Beautifully landscaped 50 acres.
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- Adjacent to Beinova & Pic N' Save shopping center.
- Cable TV available, tennis, swimming pool.
- Adult & family sections.

258-3800

LAMBDA CHI ROCKS
 ROCK every Thursday

Happy Hour
 Thurs & Fri
 3 to 9 p.m.

Happy Hour
 Saturday
 6 to 9 p.m.

Bring This Ad In And Your first Drink Is On Us

Live SUSPECTS A Top 40 Rock Band
 (No Cover)



Special for students of Embry-Riddle
(With valid school I.D. card)

Shampoo, Conditioning, Cut and Dry

Only \$10

255-9672
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Come see Jake, formerly of Great Clips, Volusia Point

Located 200 feet North of the Daytona Mall behind Budget Rent-a-Car

SCOOTER'S

PIZZA DELIVERY

Dinner for two.

A 12" Scooter's Pizza with two toppings (your choice) and **TWO** 16 oz. bottles of Coke for only **\$7.95**

A regular \$9.60 value!



Valid with other promotions or discounts.

Dinner for four.

A 16" Scooter's Pizza with two toppings (your choice) and **FOUR** 16 oz. bottles of Coke for only **\$11.50**

A regular \$14.00 value!



Valid with other promotions or discounts.

252-2858
 (LIMITED DELIVERY AREAS)

If your Scooter's Pizza is not delivered in 30 minutes, it's FREE!
 (THAT'S THE SCOOTER'S GUARANTEE!)

WE NEED YOUR HELP

During the last three months, the number of clients at Halifax Urban Ministries has increased drastically. Presently, they are averaging 20 families a day with emergency food needs. Naturally this put quite a burden on the food supplies.

We Need YOUR help!

ERAU has probably become the top supplier of food and clothing for Urban Ministries. Once again we appeal to your generosity, because if you could bring one of the food items listed below to our office it will help us keep up with the demand.

- Canned Meat (Spam, Tuna, Stew, ETC.)
- Canned Fruit
- Peanut Butter
- Scup
- Macaroni & Cheese (Packaged)
- Cereal
- Powdered Milk

Drop off points:
S.G.A. in the U.C.
 and
Office of Campus Ministry
 Dorm 2
 Room 277
 Ext. 1072

Thank you for caring.
Fr. Kenan Morris, O.F.M.
 University Chaplain and
 Director of Campus Ministry

The Ad Space donated by the AYOW



The Extra Point

SGA bus: NO

By Brian Mossdell
 Avion Sports Editor

Clubs and Organizations are excited about the possibility of the SGA purchasing a refurbished tour bus. "Wow, we can finally go in style now," one club member beamed. The questions are: who will use the bus? Where will they go with it? Is it worth the money? Could Embury-Riddle perhaps use that money in other areas?

It is likely that the bus will be used infrequently because nobody will find a use for it. For the amount of times it would be utilized, chartering a bus would cost less, than the exorbitant purchase price of \$61,000, not to mention the price of gas.

The soccer team could use the bus for transportation to today's match in Orlando. Then again, the soccer team would probably be more satisfied with uniforms and soccer balls, than a \$61,000 bus ride. The physical plant has buses that could transport clubs and organizations with only a minor reduction in comfort. All the school need do is restructure the channels of obtaining these vehicles.

\$61,000 of the student's money is too much to spend on a white elephant such as the bus. What about the hundreds of students who each month trek to DBCC to play tennis because our courts resemble the cracked surface of a dried lake bed. What about the hundreds of ERAU sportspersons who play with substandard equipment or on lacking facilities, or are forced to finance their own equipment.

\$61,000 could do wonders for athletics here at ERAU. The Baseball field could be rehabilitated into a multipurpose athletic field. The Baseball team could actually compete on campus. The Soccer team would finally have a regulation field. The running club could be provided with a track. The tennis as well as basketball courts could be refinished with decent lighting. The lacrosse team could be equipped with sticks and protective gear. The Baseball and Soccer teams could be supplied uniforms. The SGA is here for the students. Voice your disapproval now, or you will have a stagnating bus, and a sports program that "could have been."



Above: Roby Head wheels through an infield turn aboard his Yamaha 1100 enroute to a third place finish in the Hi-Point Formula One "Race of Champions." Below: Pat Hernon (No. 80) of Columbus, Ohio races past John Kocinski's Honda.



Associated Press Photo

Volleyball

Volleyball Results
 Thursday, Oct. 10

Tapakgebru def. Rapo Raiders	2 games to 1, (15-4,13-15,15-13)
A.F.R.O.T.C. def. Imperial Raiders	1 games to 0, (15-4,13-15)
A.I.A.A. def. Stockers Spikers	2 games to 1, (16-18,16-14,15-10)
Imperial Raiders def. Beach Boys	2 games to 0, (15-3,15-0)
Daytona Vice def. Daytona Vice	2 games to 0, (15-4,13-3)

Volleyball Schedule

Thursday, October 24

5:00pm	Beach Boys	Imperial Raiders
5:30pm	Beach Boys	Imperial Raiders
8:00pm	Stocker's Spikers	Imperial Raiders

Final Standings

Division 1

Team	W	L	Pts	PA	PR	PR
Imperial	6	1	101	89	857	WB
A.I.A.A.	5	2	134	91	803	W2
Daytona Vice	5	2	98	41	714	W4
Beach Boys	5	3	98	85	625	W1
Stocker's	4	4	104	105	500	L2
Tapakgebru	4	7	119	147	564	L1
Imperial Raiders	2	5	68	92	286	L4
Daytona Vice	2	5	47	91	286	L4
Beach Boys	1	6	54	91	143	L8
A.F.R.O.T.C.	0	6	41	90	800	L8

Tournament Play

Two losses for elimination
 Teams facing elimination

Team	Losses
Beach Boys	2
Daytona Vice	1
Imperial Raiders	1
Stocker's Spikers	1
Tapakgebru	1

NOTICES

REMINDER:

Participation in Graduation Ceremonies

In accordance with University policy as stated in the Graduation Requirements section of the Embury-Riddle Aeronautical University Catalog, effective immediately, all students will be required to have successfully completed all of their required courses and financial obligations before they will be allowed to participate in graduation ceremonies. This includes all degree-required flight courses.

A student's last flight course must be completed prior to the date and time that senior grades are due in the Office of Records and Registration in order for that student to participate in that graduation ceremony. Students completing all required courses (flight or academic) after that time will be eligible to participate in the next graduation (i.e. students completing courses after the due date and time for senior grades in the spring trimester will be eligible for participation in the summer graduation in August, etc.).

Spring Graduates

STUDENTS ANTICIPATING SPRING '86 GRADUATION: We suggest that you fill out your Graduation Application for a PRELIMINARY GRADUATION EVALUATION. We will try to process as many as possible prior to the "ADVANCED REGISTRATION" for Spring '86.

Bookstore

The Bookstore will be closed for inventory on October 30, 31, and November 1.

December Graduates

ATTENTION DECEMBER GRADUATES: The Senior Class Council needs volunteers to help them with fund raising activities. If you have an hour or two to spare, please stop by the Student Activities Office to sign up. They will be holding doughnut sales, car washes, etc. to raise money for the Senior Class Party and Project. Your participation in these activities will be greatly appreciated.

All the school need do is restructure the channels of obtaining these vehicles.

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 Invite the students, faculty, and staff to Try Us!
 Established 10 years in Daytona and Volusia County
10% Discount on ALL Services
 With This Ad.

Senior Citizens \$5
 Mon through Thurs.
 Shampoo Set + Basic Cut

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 261-1710
 261-1711

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 Trula Louise Beauty Salons

Omnibus Beach
 Tomoka Plaza
 Hwy 171A
 Hwy 171
 Hwy 171

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J. NAISBITT (MEGATRENDS)

Don't Wander

Join the ERAU Faculty - Staff Computer Aquisition Program

Contact the Campus Budget Office For Program Details
 Ext. 1487

The Scribe

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- Professional Resumes
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- Thesis
- Word Processing

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 All planes • Cars • Boats
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 and beat any local price on comparable items

Weekly Special

Chrome engine kits
 for small-block Chevy
\$34.95

FLY ON IN TO DINO'S!!!

WE DELIVER - PIZZA, SUBS, SALADS, PASTA, BEER!

WE HAVE WHOLE WHEAT PIZZA!

11 a.m. - midnight
11 - 2 a.m. Fri. - Sat.

DINO'S

...the students. Voice your disapproval now, or you will have a stagnating bus, and a sports program that "could have been."

5:00pm	Imperial Raiders	Stockers Spikers	Tapakegabru
6:00pm	Crucians	PT Pumpers	
A.M.P.(N)	Not Again	Sick Fox(C)	Talhookers
		Mad Dog(S)	Delta Chi
			Vets Club(C)
			Peanut Gallery(F)

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Trula Louise Beauty Salons

Invite the students, faculty, and staff to Try US!

Established 10 years in Daytona and Volusia County

10% Discount on ALL Services With This Ad.

<p>Senior Citizens Mon through Thurs. •Shampoo, Set •Basic Cut</p> <p>\$5</p> <p>Holly Hill Shopping Center Box 444 - 10th and 11th 1523 N. Hwy 1 Rd 25-39391 Mon - Sat 9-5</p>	<p>Weekly Perm Specials Guys & Dolls Perms By Realistic® the no set styling perm for on the go people</p> <p>\$25.50</p> <p>Ormond Beach Tomoka Plaza 672 5818 Mon - Sat 9-5 Thu 9-7</p>
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Shuttle on down to
Trula Louise Beauty Salons



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Air planes • Cars • Boats
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Plastic Models • Trains
Art & Macrame Supplies

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10 % Discount to Students
2133 S. Ridgewood Ave. 5
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Where Performance Is Everything

Off-Road ☆ Street Performance ☆ Autocross ☆ Drag Racing
☆ Engine Parts to Auto Accessories to Wheels and Tires ☆

We Do It All

and beat any local price on comparable items

Weekly Special

Chrome engine kits
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\$34.95



☆ Full Service Performance Shop ☆
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WE DELIVER - PIZZA, SUBS, SALADS, PASTA, BEER!
OPEN 7 days a week

WE HAVE WHOLE WHEAT PIZZA!
11 a.m. - midnight
11-2 a.m. Fri. - Sat.



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<p>★ DINO'S COUPON ★</p> <p>ANY LARGE PIZZA FOR THE PRICE OF A MEDIUM PIZZA</p> <p>(one COUPON per PIZZA.....)</p>	<p>★ DINO'S COUPON ★</p> <p>Large 2 item Pizza, and a litre of soda or Beer for \$8.95 !!!</p> <p>(one COUPON per PIZZA..)</p>
---	---

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V.W. TRANSPORTER BUS - Recent...
Datsun 300SX - 1982, 9/4, p/w, p/a...
Chrysler Cordoba - 1978, red color...

MISC PARTS OFF OF 1973 IMPALA...
SUZUKI CR 80CL - 1982, 1900 miles...

cycles for sale

'78 SUZUKI TM 300-DIRT BIKE - will...

'79 KAWASAKI 400 LTD-D. New...

HONDA CB750 S.S. - 1979. Needs...

1984 RMV NINJA. Call: Frank 232-7318.

1983 KAWASAKI KZ 1100 LTD-E...

1983 YZ 750 SHADOW. showroom...

1977 KAWASAKI KZ 1100 - 3200 or...

SUZUKI CR 80CL - 1982, 1800 miles...

YAMAHA RD350 MOTORCYCLE 1978...

HONDA CR 300 TURBO. Like new...

HONDA CR 300 - low miles, new...

HONDA SX 100S - 1981, excellent...

KAWASAKI GPZ 350 - 1981, excellent...

HONDA CM 400E - 1982, excellent...

WANDA, extra included. Call Mark...

miscellaneous for sale

1 1/2 1/2 BAR with electrical hook-up...

BUNTY FLUTE - price \$200, contact...

RADIO CONTROL PLAMES, GLEDES...

SKI BOAT. 14 foot, fiberglass...

1/2 BMV PORTABLE TV. Excellent...

BASS AMPLIFIER. Brand new condition...

BALLIC (F-3) SUNFISH. The wild...

VIDEO COMPUTER FOR SALE. Vector...

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CANON V-70 CAMERA - 25 mm. SLR...

B & W T.V. - 540/600. Also B.M.W.

4-SPD TRANSMISSION - Sold my...

BOAT AND TRAILER - 16 foot...

SURFBOARD - For only \$50 Call...

PETER LEE'S NAUTILUS - Contract...

TRHILLI BOAT - 14 1/2 foot...

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CO-PILOT NEEDED - for Citation II...

miscellaneous

Make \$400 to \$1200 plus part-time...

LOST: Black leather wallet. Someone...

MOTORCYCLE REPAIRS. Gasoline...

Looking for a Boy playing with...

CONSIDER 64-62 CHEVYSE. For info...

PROFESSIONAL TYPING. Very...

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HELLO DARLINA. I've been waiting too long for me...

To Debbie O. Your love is not representative of your...

Come on Instructors. Let's get together...

T.F. I just remembered that you are me...

ARE YOU ALIVE! WHITE SOON. I have many weddings where you...

My day in F.M. in GA. Yeah, you'll...

The crew of "Das Boot" is a value offer...

Down. Out well pronto

the gang

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