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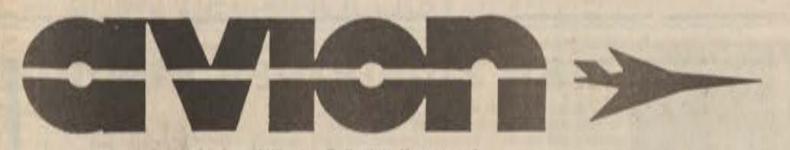
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Aeronautica

Volume 67, Issue 5

October 10,1990

Denney Kitfoxes reunite at Fly-in celebration in Idaho

"Considering we'd

only planned for about

40 people and got 169, I

guess we'd have to call

the event a big success,"

Dan Denney

Aeronautica Editor

Eleven Denney Aerocraft Kitfox kits returned to the Nampa, Idaho factory recently. They were not being recalled, they were all airworthy and had been brought to the Denney facility for the first annual Kitfox Fly-In. The eleven privately owned aircraft were joined by three other factory aircraft for a two-and-a-half day celebration of

Activities began on Friday with Kitfox owners flying

in from as far away as 600 miles. On the opening day of the Fly-In, Ed Wilson, a representative of Rotax Engines, conducted a six-hour seminar on maintenance procedures for the

During a Saturday morning seasion, there were three seminars: one on Kitfox painting guidelines, mother on appropriate rigging, and the third on the annual maintenance.

inspection. After the seminars, the owners flew their aircraft in a loose formation to McCall, Idaho, a resort town up in the mountains. The Denney company put one event a big success. of their factory airplanes on a new pair of Aerocet floats and launched from a nearby river.

At McCall, the float equipped Kitfox was beached in front of the Shore Lodge. The afternoon was spent flying and giving rides to those who had come to Idaho without

their airplanes, had not finished them yet, or had not bought one yet.

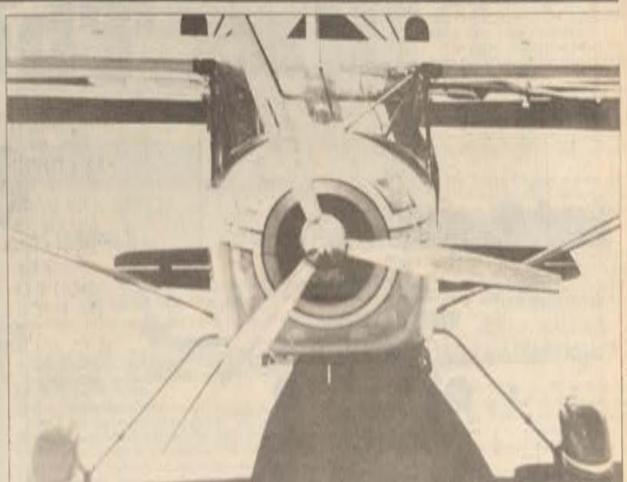
That evening a dinner sponsored by Denney Aerocraft was attended by 169 people who had come to the Fly-In from as far away as Florida, New Hampshire, California, and Toronto, Canada, and points in between. The dinner was a lead-in to the award presentations for aircraft owners with the best Kitfox paint jobs, outstanding engine installation, top upholstery, and superior instrument panel. The Grand Champion Kitfox trophy was won by

Lorin Wilkinson of Yelm, Washington.

The next morning all of the pilota and enthusiants turned out at Mc-Call for short take-off, flour bombing, and precision landing competitions. The flying competitions marked the end of the Fly-In program and time for everyone to go their separate ways and head for

Said Dan Denney, "Considering we'd only planned for about 40 people and got 169, I guess we'd have to call the

It's really a thrill to see so many finished airplanes in one place, and so many people who are enthused about the aircraft." The Denney Aerocraft estimates that approximately 400 Kitfoxes have already made it to flight lines around the globe.



Foxy kits ...

Eleven privately owned Denney Aerocraft Kitfox aircraft were joined by three other factory owned aircraft for a two-and-a-half day celebration of sport flying at the first annual Kitfox Fly-In. Denney Aerocraft reports that 400 Kitfoxes are flying world-wide.

F-117A and Blue Angels to perform at airshow

This airshow is

expected to be the

largest in the

southeast this year.

by John McDermott Staff Writer

14th, Naval Air Station Jacksonvilla play with all types of aircraft, Admishouse and airshow.

The airshow will feature the Blue Angels and an F-117 Stealth Fighter will also be on static display.

This airshow is expected to be the largest in the day and Sunday. No coolers will be al-

military aircraft, the Holiday Inn Jacksonville.

southeast this year. Other flight performers will include World War II through modern of I-295 on the St. John's River in

Aerobatic Team, a wingwalking demonstration and fifty parachutists. This weekend, October 13th and There will also be a large static disis having us 50th Anniversary open sion to the airshow and purking is free,

with preferred parking available for two dollars.

The gates will open at 8 a.m. with flying starting at 10 a.m. and lasting until 4 p.m. Satur-

lowed in the viewing area. N.A.S. Jacksonville is located off



Expansion... Eight new gates come to Orlando International Airport with the opening of a glass and steel skylight dome, that encloses \$2 Delta's latest hub.

by John McDermott Staff Writer

Delta Airlines recently opened its new 500,000 cargo terminal at Orlando International Airport. Both are part of a \$700 million expansion program to provide passengers and shippers convenience from Orlando to international and domestic des-

Delta opens flight/cargo center

The 11 story terminal expansion will triple Delta's ticket counters, and will feature an expanded baggage claim area supported by a state-of -the-art automated baggage sorting and delivery system. The landside expansion has an eight story stripm with a burge avery filled with a variety of tropical birds. A high speed elevated mover capable of handling thousand of passengers an hour connects the landside facility with the Flight Center. The Flight Center is a 140,000 square foot hub with million worth of interior landscaping

Also located here is Delta's largest hospitality facility, the Crown Room Club. Three concourses with eight gates each are connected to the Flight square foot flight center and 45,000 square foot. Center, Included in the lower part of the Flight Center is a 15 gate commuter area for COMAIR, Delta's regional carrier.

Delta is Orlando's largest airline, and has served Orlando for 31 years. In the last several years, Delta rate greater than 99%

has more than doubled its service there, with airport growth going from six million passengers in 1981 to 17.8 million now. The other part of Delta's expansion, the cargo area is expected to increase Delm's share of the cargo market. It includes facilities for guaranteed overnight small package delivery, and virtually any type of cargo,

Bringing together all of the ramp and gate operations for Delta is its largest control tower.

The tower is 100 feer tall and is used to coordinate aircraft loading, fueling, catering, and ramp movement.

Currently Delta has the youngest aircraft fleet in the world with 436 aircraft with an average age of Doha has orders and options on 502 new aircraft

valued at \$23 billion. Some of the new Delta aircraft are the MD-11, which will start delivery in November, and the Boeing 767-300ER.

This fleet of aucraft contributes to a dispatch

Lockheed Diverter helps pilots

by Hayt E. Brown Aeronautica Editor

Here is a scenario for all of you future airline pilots to consider: a commorcial airline flight is headed across the country when a flight attendant tells the pilots they have a medical emergency and that they need to land immediately.

But there are scattered, severe storms in the area that have closed many of the nearest airports.

The pilot then quickly inputs a few commands into the computer next to him and Diverter, a prototype of which was developed at Lockheed Acronautical Systems Company, quickly recommends the nearest open landing site that can accommodate the special needs, displays a color map to the new destination and gives the pilot the reasons for that destination being

The Diverter project, recently complotted for its sponsor, NASA Langley Research Center, was the two-year research program to develop cockpit technology that uses artificial intelligence (Al) concepts to aid aircraft pilots who experience in-flight problems requiring them to divert from their intended flight path.

LASC program manager George

Sexton said, "Diverter weighs all al- customer and may include informaternatives in a matter of seconds and tion about route structures and recommends a decision and a rationale. It can also assess an air truffic controller's recommendations or a pilots decision, but the pilot in command remains the final authority.

and programming methods, an on- rain, etc.). board data base, pilot-vehicle inter-

face and a real-time data link with ground stations.

Uning knowledge pioneered in Pilot's As-

an emergency.

rapidly gives the information to the mation. pilot on request. The flow of information is intended to improve the pilot's situation awareness and reduce flight crew workload, thereby providing an opportunity for safer operation of the airplane during

The on-board data base can be programmed to suit the needs of the

schedules, and other carrier-specific policies. The system will also contain physical and geographical informa-

tion about the area of operation (airfield facilities, runway length, Diverter is made up of a processor proximity to hospitals, availability of with software employing Al concepts certain emergency equipment, ter-

> Once in the air, the data link communications

will allow the When turned on, Diverter Diverter to displays both graphic continuously navigation information monitor changing and a hybrid menu weather and display for text. airfield conditions along

sociate, another Lockheed Al the intended flight path, then assimiprogram, the Diverter software in- late that information with data base tegrates data from various sources and and with updated flight status infor-

When turned on, Diverter displays both graphic navigation information and a hybrid menu display for text. The touch-screen graphic display presents the aircraft crew with posttion, alternate destination, weather cells, jet routes and other pertinent

The real-time integration of data al-

lows the pilot to interact with Diverter instantly. With Diverter processing the enormous amount of external information coming into the aircraft, the pilot is free to concentrate on flying

his aircraft. Sexion said the Diverter prototype was developed using the rapid prototyping approach, where a working model is put into operation, then refined to meet specific system re-

Although best known for its transport aircraft, LASC in Marietta has become an industry leader in developing artificial intelligence pilot-vehicle interface systems such as Diverter.

A similar system was developed for the military called Pilot's Associate which would aid the pilot of high-performance jet fighters by integrating real-time information on aircraft and external environment status as well as mission objectives. The system then presents the pilot with only the most useful information for any particular

Sexton said the Diverter prototype will require further testing by NASA before the technology is offered to the airline industry for installation on new production aircraft, or for retrofit on



Emergency navigator...

The Diverter Project, recently completed for its sponsor, NASA Langley Research Center, was a two-year research program to develop cockpit technology that uses artificial intelligence (AI) in an emergency situation.

Marines and Canadians get new Hornet equipment

by John McDermott Staff Writer

McDonnell Douglas has begun delivery of the F/A-18D Night Attack Hornet to the U.S. Marine Corps. The new version of the F-18 is replacing all Marine Corps A-6 Intruders and the remaining RF-4's used for photo reconnaissance.

The F/A-18D is a two seat aircraft. Coast squadrons with new systems such as a forward A-6's. looking infrared navigation sensor. M.C.A.S. El Toro CA. first, and then Corp. has introduced a fully incockpit lighting for use with night N.C., with convention to be com- for the APG-65 radar, called ADAPT, to ground targets.

vision goggles. Another feature of this pleted by 1995. One of the reasons for An off-shoot of ADAPT technology aircraft is a camera package for recon-replacing the Marine Corps A-6's is called PATS for Portable Adaptive naissance missions. The camera sys- to give them to the Navy since the A- Test System has been sold to the tem is mounted on a pallet that can 6 fleet is growing smaller as fatigue. Canadians for use on their CF-18's,

at -

replace 20mm gan in the The Hughes APG-65 nose. The new Hornets will replace the West

radar is a multi-mode radar for air to air and air to ground targets.

lifes are reached, and The PATS is used to support the the Marine Corps aircraft on deployment and sigtypes.

In other Hornet developments Harris box.

desire to decrease the nificantly increases mission readiness inventory of aircraft in the field. The system integrates three test operations in a single man portable

The Hughes APG-65 radar is a

color digital moving map, and special Bast Coast squadrons at Cherry Point, tegrated test and maintenance system multi-mode radar for air to air and air



Night Hornet... McDonnell Douglas has begun delivery of the F/A-18D Night Attack Hornet to the U.S. Marine Corps

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Student astronauts train

by Roland Houle

Space Technology Writer

For anyone interested in getting hands-on experience with astronaut training, Space Camp is a great place to start. The facility in Titusville, Florida is specifically designed to give interested persons training as astronauts, primarily space shuttle astronauts.

The first and largest Space Camp complex is in Huntsville, Alabama. However, the Titusville complex although smaller, is within miles of the Kennedy Space Center. Also, part of this complex is an Astronaut Hall of Fame, dedicated to the original seven Project Mercury

While geared towards elementary students, Space Camp in Huntsville also has programs for educators and college freshman. The private non-profit foundation charges a fee for the camp that can range up to ten days in length.

A tour of the facility will present a quick look at the Space Camp program, along with the use of their simulation equipment. Another tour is also available of the Astronaut Hall of Fame.

Space Camp was a dream of Dr. Werhner Vaun Braun's that has been developed over the years. The Titusville location was built as a joint project of the Mercury Seven Foundation and the Space Camp Foundation.

The simulation equipment is intended to provide users with as close a feeling to the real thing as possible with the gravity of Earth.

Some of the simulators include a moon walking and a great deal of knowledge.

simulator, a Manned Maneuvering Unit simulator and a triple axis chair. This simulator imitates the feelings an early astronaut would receive if his capsule were tumbling out of control.

The Space Camp floor is dominated by a near full scale mockup of the forward module of the Space Shuttle Discovery. This mockup, in conjunction with a mission control simulator, offers participants with an opportunity to partake in a practice mission from prelaunch, to in-orbit operations, to landing.

The second half of the Space Camp complex is the Astronaut Hall of Fame. This museum gives a brief look at the history of the original Mercury Seven Astronauts.

The authentic artifacts in the museum range from patches to a Holiday Inn registration card signed by the seven astronauts. Plus, the actual Mercury space capsule, Sigma 7, in which Walter Schirra orbited the Earth six times, doubling the flight time in space, is in the center of the Hall of Fame.

In addition, there are films on each of the astronauts lives and their accomplishments in the space program as well as a brief history of the beginning of the space race.

Finally, the Hall of Fame concludes with a short film on the original seven astronauts. The film highlights all of the "firsts" of the early American space program.

Although not as large as the Huntsville Space Camp, the Titusville Space Camp offers a great deal. All the visitors are not space buffs, but all the visitors will come away with a more interesting view on the space program



Going up...

When Atlantis was hoisted up to be mated to the External Tank, in the same way Discovery is in this photo, a tool damaged internal parts of the main engine compartment.

Atlantis is set back

by Marianne Michaels Space Technology Editor

The Space Shuttle Atlantis suffered a setback last week when a large tool was mistakingly left in the engine compartment.

A NASA technician who was working in the main engine compartment, while Atlantis was in the Orbiter Processing Facility (OPF), inadvertantly left a 70 pound tool in one of the main engine compartments.

The Space Shuttle was rolled over from the OPF to the Vehicle Assembly Building on Oct. 2.

The tool was discovered when Atlantis was being lifted to be mated with the External Tank. The tool was heard by NASA workers as it damaged several parts in the engine compactment.

The Space Shuttle Atlantis was scheduled to be rolled out to Launch Pad 39-A yesterday morning, but was delayed 24 hours due to tropical storm

Meanwhile the Space Shuttle Columbia was rolled from Launch Pad 39-A to Launch Pad 39-B. so that technicians can begin testing the tanks for possible leaks.

NASA plans heavy lift launch vehicle

by Marianne Michaels

Space Technology Editor

NASA is in the process of designing a cargo version of the space shuttle which will give the U.S. a much needed heavy lift launch vehicle. The Shuttle-C, as it is called, will be an unmanned rocket using the existing hardware from the space shuttle. The space shuttle can launch 25 ton payloads as compared with the 50-75 ton limit of the proposed Shuttle-C.

Shuttle-C's payload capacity will vary with the option of having two or three engines on the Shuttle-C. The range is from 100,000 pounds with two engines to 170,000 pounds with three engines.

Since the space shuttle is so heavy the payload can only weigh 50,000 pounds. The space shuttle lifts into orbit about 230,000 pounds including its own weight and crew.

The Shuttle-C's increased payload weight is a result of no life support systems nor any re-entry systems being that it does return to Earth. The Shuttle-C will offer many advanuages from an economic standpoint by using the current space shuttle hardware along with its facilities.

The Shuttle-C consists of two sections, the aft fuselage holding the propulsion devices and the payload carrier. A

second cost effective piece of equipment will be the Solid Rocket Boosters that were used before the Challenger incident. Since the Solid Rocket Boosters cannot be used for manned spaceflight due to the O-ring flaws, but they can be used on the Shuttle-C because of the reduced safety

The Shuttle-C would greatly enhance the U.S. lift capability by cutting the assembly time in half for developing the Space Station Freedom. The Shuttle-C would be scheduled to fly two to three missions a year. This will keep the assembly lines open resulting in reduced costs.

The launch and ascent phase will be similar to a space shuttle flight. The two engine Shuttle-C version would fire its engines for 620 seconds while its three engine flight. would last for 520 seconds. There would be no abort options meaning the payload would have to reach a successful orbit the first time.

After SRB separation the payload shroud is jettisoned while the nose is jettisoned after main engine cutoff, The Orbital Manuevering System pods will insert the Shuttleinto orbit. After the deployment of the payload, the Shuttle-C will re-enter the Earth's atmosphere and burn up over



Embry-Riddle Aerospace Society member Joshua Mussaf spins in Space Camp's triple axis simulator designed to imitate a tumbling space capsule.

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The most significant

improvement is the HP

Equation Writer function

that enables the user to

enter any equation just like

it would appear on paper.

DATA TECHNOLOGY Hewlett Packard leaps forward with

Data-Technology writer

Over the summer, Hewlett Packard introduced perhaps one of the most powerful hand held Scientific calculators. The new HP48SX is a one of a kind machine with its many appelievable features. The distinctive size of the HP48SX, 3.2 inches by 7.1 inches, leaves room for a large supertwist technology LCD that literally makes heads turn to watch the machine in action. Hewlett Packard did not forget about the need for expansion either. The two card stots, serial wire and infra red communication link puts the HP48SX in touch with a wide variety of peripherals.

The most significant improvement is the HP Equation Writer function that enables the user to effer any equation just like it would appear on paper. The text book style equations produced are much easier id understand and edit for the user, All standard scientific functions are supported including differentiation and integration. The 49 keys give

SIN, COS, X2 ect., centrally located on the face of the

The HP48SX has more than 2,100 functions that are easily accessible through the 59 user-friendly menus. The power comes out of the whopping 256K ROM on board and 32K RAM, which can be expanded to 256K with optional memory cards. The RAM cards can be customized and then transferred to EPROM cards for permanent

menus for those frequently used functions or programs.

The serial interface allows the calculator to connect to other HP48SX calculators and computers. Through software emulation these computers allow the user to transfer programs, graphs or data for manipulation in other software packages. There is even a function that allows the HP48SX to function as a dedicated math coprocessor, allowing complicated functions to be send to the HP48SX while freeing up the host computer.

The only drawback to first time users might be the RPN, which stands for Reversed Polish Notation. But for some-

one who has had any experience with HP calculators will be ready to tackle the power built into this machine. The review mode allows for easy stack manipulation making long calculations even easier. The matrix editor makes using matrices a breeze since the editor looks similar to a conventional spreadsheet program. This

easy access with the most frequently used keys such as machine also keeps track of time and date allowing date arithmetic along with the alarm functions. The unit management system allows easy control of units even throughout long and complicated calculations. With 148 units built in, the unit management system makes unit conversion between English and Metric standards a snap.

> The plot function has been greatly improved allowing for various different types of plots. The graphs produced can be in the form of functions, conic, polar or parabolic designed with the engineer in mind, not the back pocket. The HP 48SX gives students needed power

can be easily analyzed to give local maximum or minimum values through the solver function. The plots can then be stored for later viewing.

Second party suppliers have already started to make

many extras available for this machine. The external floppy disc drive uses 3.5 inch high density (1.44MH) disks which can be used for data storage or retrieval of data or programs. Several application cards are available ranging from Mechanical Engineering cards to Survey cards. The Mechanical Application package includes more than 350 equations in statics, dynamics, fluids, thermodynamics, power generation and more. The Electrical Engineering package has equations for the analysis of electrical fundamentals, network analysis, digital signal processing or electromagnetic fields. The Chemical Applications package contains a full Periodic Table with 30 properties per element and can calculate theoretical yields

ment calculator. For people who like to kill some time once in a while there is even a game card that plays Blackjack, Roulette, Slots or Video Poker with animated dis-This calculator leads the way even when compared to such new calculators as Sharp's PC-E500 scientific handheld computer. The HP48SX uses standard AAA batteries

so the need for those awkward sized hard-to-find expen-

sive batteries has been eliminated. The HP48SX was

and limiting reagents. There is even an HP41CV emulator

card that turn the HP48SX into a total HP41CV environ-

storage. The custom menu lets the user create separate plots. In statistics the data can be graphed as truth, bar, of company officials since every feature is thoroughly laid histogram or scatter plots. The equations that are plotted our with concrete reasoning and logic behind every key: stroke. The HP4RSX will remain a leader in the calculator: industry until some major scientific breakthrough that wills revolutionize the whole industry.



Its got the power...

by Jason Simon Data-Technology Editor

Since the beginning of the personal computer age, there have been many chess programs written for the pseudo armchair Grandmaster. These programs have been constantly upgraded to allow for the expanded capabilities of the home system. The latest release is Interplay's Check-

After the program loads, the chess board appears on the screen. The first thing the player must do is get past the program's copy protection. In order to play the game, the player must enter which allows the into the computer a chess move, pick-computer to store ed at random by the computer, from a moves it conlist at the end of the owner's manual.

There are several nice features that set this game apart from the rest. The puter to think first is the difficultly settings. The about what move computer can be programmed to play it wants to play or the 2000 plus chess rating this and off at will.

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program can carry. Or, if the player isn't quite up to the challenge of the grade." When selected this feature best, he can select a weak opponent. When a weak opponent is selected, a presents the player with a series of menu comes on the screen which tells chess problems. The alimane goal is the player the different player/animals he can play against. The ratings range from orangutan, the lowest, to gorilla, the highest, with many settings in between.

Other features include the ability to view and review play since the game - consider during the opening moves of remembers all moves made since the play. The opening library contains

beginning of the game. Learning, Other features include the ability to view and review play since the siders strong and game remembers all thinking which moves made since the allows the combeginning of the game.

to represent either an average human, turn. These features can be turned on opening library pull down more all

Another feature is called "my abandons the corrent game and to allow the player to figure out what his grade is when compared to other

Checkmate also has an opening library. This library is a dauthose of sequential moves that the game will

> 300,000 mayer which at-10ws Checkmate to execute opening moves quickly, but allows the computer to avoid opening impa-

The mar can decide how Chrokmane will

at a strong level, which can then be set next while the human player takes his consider these opening moves. The lows the user to force Checkman into

choosing moves by strength popularity or random. Random is the default setting in this game, unless the player decides otherwise.

There are several sets of chess pieces that come with this game. The sets include the normal chess pieces, a futuristic set for those who wish to play with a strange, and sometimes hard to play set and a babydoll set, for those who like baby dolls,

A feature worth mentioning is the addition of the ability to make pieces. In the Amiga version, if the player has the painting program Deluxe Paint Three the player can load the game into a disk drive and create his own pieces from scratch. This is ideal for the person who doesn't really like the several sets of pieces that come with the simulation.

Overall Interplay's Checkmate proves to be an outstanding chess? game. This game is currently available for the Amiga and Atari ST. The Ms-Dos version is scheduled for release on October 15.



Your move ...

Interplay's new chess game, Checkmate, proves to be one of the most challenging chess games around.



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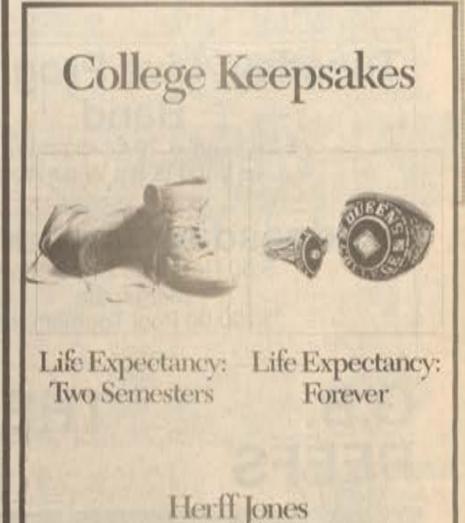
Port Orange Park Place Plaza (Next to Albertsons) 756-3210

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Corner Nova & 11th St. (Next to Food Lion) 258-0700





College Rings Order Now For Pre-Christmas Delivery October 10,11,12. 9am-3pm \$10.00 Deposit

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In The Howard Johnsons Hotel 600 N. Atlantic Ave 255-4471

HI MOM!

TY SCREEN?

by Gary Larson

The spines is

half empty.

Hex: I ordered

a cheeseburger

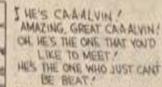
Calvin and Hobbes

THAT'S NICE

MY FALL LINEUP GOT

CANCELED

by Bill Waterson Far Side



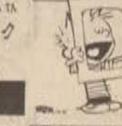


DAD SAID ONE TY IN THE

HOUSE WAS BAD ENDUGH.

AND HE PREFERRED THE ONE

WITH THE YOLUME CONTROL













The four basic personality types

half full !

WHAT A RIP-OFF! THEY SAY OF YOU CONNECT THESE DOTS LOOK! I DID IT AND ITS













33... 27... 18.





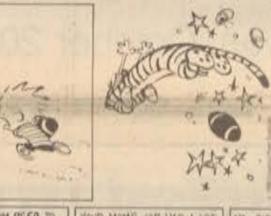
A CAREER IN SPORTS UNTIL E LEARN TO SUPPRESS MY SURVIVAL HISTINCT TOUCH

When imprinting studies go awry

Danook shows off his Swiss Army Rock













OHE MHD BOES TO WORK, AND MOM TOR



YOUR MOMS JOB HAD A LOT OF STRESS AND AGGRAVATION. AND SHE MANTED TO QUIT?

M'z 出

Each time the click beetle righted itself, Kyle would flip it over again - until something went dreadfully wrong.

Mother Goose and Grimm

Fish tunerals

by Mike Peters

THESE THINGS TAKE

TIME

Mister Boffo

Man N

MORE PROOF THAT NOT EVERYTHING NAMED CUPCAICE IS CUTE AND CUEDLY

by Joe Martin



















Notices

Senior information concerning graduation

All seniors must till out a degree completion form if they are anticipating a December 15, 1990, graduation. The deadline to apply is Friday, October 12, 1990, by 4 p.m.

If you plan to attend the ceremony you will also need to complete

the Ceremony Attendance Form.

Student Activities is accepting applications for those Seniors antisepating April '91 degree completion. Come to the Registration and Hecords Office and fill out an application to receive a "Preliminary Evaluation". We will try to have one sent to you before Advanced Registration for Spring '91 later this semester.

Counseling Center offering program

The Counseling Center is offering a five seek group program on call hypnosis. The group will meet for 2 hours per week during Octobur 22 November 19. Topics such as ego building, stress management, eliminating negative habits, addressed through self hypnosis. If you are interested, make an appointment for a short interview in the Counseling Center during the week of October 15-19. Group size

Safety Department to sponsor seminar

"The Safety Department is sponsoring a personal safety seminar antifled "Prevention is The Key" on October 25, 1990, at 1,30 pm, in 109. The seminar will be presented by Crime Services, an Atlanta based organization specializing in home security and personal unterly Everyone is invited to attend.

Survey

continued from page A1). occoun gave an F. The final grade was

Like many other facilities on camms, semumes students have to stand in times which refers to the next quea-"How is your wait time in line?" About 20 percent gave a B, 30 percent C. 30 percent a D. and 20 percent an The final grade came out to be a C-A question about variety was asked. Do you like the selection?" Only 10 percent gave a B, while 60 percent gave a C., and 30 percent-F. The final militio was a C-

How do you rate the service?" was a guestion asked. The responce for dis one was 50 percent C, 40 percent was a D.10%-F. The final grade was

ome concern has been given over the size of the meals. The question

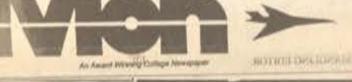
"What do you think about price related to proportion served?" was asked. Around 20 percent gave a C, 40 percent gave a D, and 40 percent. gave an F. The final grade was a D-,

Another question we asked was "How would you rate the quality of the food?" 30 percent gave a B, 30 percent a C, 30 percent a D, and 10 percent gave an F. The final grade was a C.

Economy has an effect on what students think. So the question "How would you rate the prices compared to other cafeteria services?" was asked. About 50 percent gave a C, 30 percent a D, 20 percent an F. The final grade was a C-

The last question asked was "What do you think about Morrison's management?" Around 20 percent gave a B, 40 percent a C, and 40 percent an F.

The final grade was a C-



Catch The Fever Eagles Basketball



Scrimages on October 20, 1990

American Bartending



You too can become a bartender in just two weeks... The rewards are tremendous!

Bartending is the perfect job for busy students. The hours are flexible, it's fun, exciting and you can earn a healthy income while meeting new friends! Call us today and find out how to get on the road to financial independence.

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+ Autos for sale

FOR SALE BY ORIGINAL OWNER: 1969 Karmanor Ghia, garage kopt, clean, no rust, not driven on beach, leather interior, new uses. Well maintained and serviced. Please call after 6:00pm 673-4498, 51200.00 prepot.

1980 HONDA CIVIC Stationwagon, Runs good \$200.00. Contact John or Mark 258-

PROJECT CAR: 1968 Volkswagon Dune lingay, Excellent fiber glass body w/fullhant top. Can run w/little work. \$500.00 Call days 6926 or 255-5939 eves.

1979 FORD FAIRMOUNT, good basic numpertation 6cyl/st, good tiers, runs good-Call Juff at 255-6674.

HONDA CIVIC 1500: 1982, 2 door, 5 apoid, a/c, sm/fm, asking \$1300.00. Ask for Diff. at 761-1738.

THEAMARO MUSCLE CAR: Hot looking, 42,000 Actual Miles \$2995.00. Call CFs Aint-Sales at 254-2886.

12 MUSTANG: 4 speed a/c, sporty econorny, 52495.00. Call CFs Amo Sales at 254-

1984 FORD RANGER PICK UP: 5 speed, sharp new paint, \$2695.00. Call CFs Amo

1986 CHEVETTE: Automatic, sAc, \$2695.00, great gas saver. Call CPs Auto Salim at 254-2886.

1986 FORD TEMPO: 5 speed, ice cold sir, amiljur sterno, 35,000 actual miles, super sieg, 53995.00 Call CFe Auto Sales at 254-

1929 CHEVY CUSTOM VAN: Pully loaded with ice cold air, \$2495.00. Call CDs Aulis Sales at 254-2886.

Cycles for sale

1987 NINJA 600R: Immaculate, beorgis in limbpe to tour. New time, brakes, 2 holmess included, \$2400 O.B.O. Must sell quickly. Large name & number in box 3064.

Misc. for sale

WATERBED FOR SALfii Brand new paid 5225-00, will take \$170.00 (J.H.O. 252-2360) Mike or Dave.

1983 KAWASAKI JET SKI 550, includes trailer, new electrical system, asking

FOR SALE: Samrung VCR \$100, and table and lump \$25, down size refrigerator \$75. Call Scott 230-0518 before 4:00 pm. After 4:00 lauve message.

1986 APPLE HC Computer, 2 disks, color/letter quality printer, color monitor and more. Asking \$750 call 253-9285.

POR SALE: Sterling Silver Jewelmy: brayelets and necklaces. BELOW WHOLESALE prices!!! Also many watches forciale (many different replica warches) Call 252-9378 or drop a note in Box #1312.

FOR SALE: Four channel model aircraft. with true Finishe six channel radio. Only lases flown a comple of hours and has a reenforced nove. Sex channel Futaba comes with six Pataba servos that have never been used or placed in an aircraft. I am no longer interested in the sport and need the money. fercilent for the statter who wishes to ipgrade in the future! Asking \$560 neg. Call Janua 239-5973. The sky can be yours!

POR SALE: Colors Superheurodyne Ultra "talking" trapshooter, voice, music or tone warning, separate X-K band indicators, visor, windshield, or dash mount, 3 anti-fideing circuits, carrying case. Excellent condition List \$160,00, asking \$100,00. Call Steve B. 255-0183.

BELL MOTORCYCLE HELMET - 530,00, one Bieffe belieft - \$30.00, Bikemaner rain suit - \$25.00. All am in good cond. I King size waterbed, pudded rails \$100.00 O.B.O. (407)323-9797

FOR SALI!-Averar, like new, \$20. Airforce. sunglarnes with gold frame, small lenses, bea real pilot, paid \$40 sacrifice \$15. Contact 760-3219 orbox 4412

FOR SALE-Modified Bellanca, great for line control or 2 channel R/C, full size seryou, includes brand new 051 Cox engine only, \$60. Helicopter with 45 sugine, runs. great, flys awasome, fully aerobatic with collective pitch, \$250. Centure 760-3219 or box, 4412:

FOR SALE-Ohimain 20 144 color printer, \$125. Casio Data Bunk, holds 50 numes with numbers, \$15, TI-74, 4K, Basic programmable, has QWERT keyboard - \$30, 8K memory card - \$20, math card does must Cale I, II, & III applications \$25 Contact 760-3219 or hox 4412.

Processor Accelerator for A1000 at 16 Mhs comes with 68581 math on-processes at 12 Mhr., paid \$315, sell for \$150. Contact 760-3219 or hox 4412.

Hamess 80386 power with a new 20 MHz 100% TBM compatible, VGA oxlor, IBM power, hard drive, 4 Megabytes of RAM, on-site service for one year, and Windows/386. \$1850 new; Leave Message or

Dow't PS/2 at Save money for toition. 100% IBM compatible 80286 based computer opstrating at 12 MHz with color VGA and a hard drive Minufactured by Goldstar. 31259 new. Leave message at 238-7355.

POR SALE: 13: Color TV = \$60.00, Microweve - \$50.00, Space heater - \$10.00. Please leave name and number on answering machine if them is no answer, 274-5372.

BUCKS OUN RACK 252-8471

FOR SALE: TV/Microwave stand. Excellent. condition, \$25.00. Also an excellent full size bod, frame, box springs, and matteress \$100,00 first. Call 788-3327 or BRAU axt.

1972 VOLKSWAGON CAMPIIR: Approx. 3000 miles on rebuilt engine. Excell rior, \$900.00 O.H.O. Call Ahmed at 238-

ROLLER BLADES For Sale: All colors and sizes. Women's styles too, brand new, still in boxes. Ten pair left, only \$25.00 a pair. Call. Tom it 253-7529.

WANTED: Roundtrip Airline ticket (open dates) DAB-BOS. Leave a message 676-

FOR SALID Weight beach with mond weights, \$110 o.b.o. call 229-9536.

POR SALII: Amigs 2000, removable hand drive, monitor and color printer- loads of other goodies, Olympus SLR, Segs genesis, NES, Power glove, Sony Jenn Portable VCR GOOD PIUCES PHONE FOR DETAILS leave message on answering machine (760-3607).

FOR SALE--Modified Bellance, great for line control or 2 channel R/C, full size servos, includes braud new .051 Cox engins only, \$60. Helicopter with .45 engine, runs great, flys awestern, fully acrobatic with collective puch, \$250. Connex 760-3219 or

FOR SALE: Catamann Sail Beat, 18" surfest, new professional paint job, new salls, sails like new, very fast, gmat for launching off of the beach, \$2000 O.B.O., Call Surve at 253-9338 or Kevin at 767-

Processor Accelerator for A1000 at 16 Miss. corner with 68881 math co-processor at 12 Mhr., peid \$315, mill for \$150. Coolant 760. 3219 or box 4412.

FOR SALII-Avsor, like new, \$20. Aidorce simplaster with gold frame, small lenses, be a real pilot, paid \$40 saurition \$15. Contact 760-3319 or bux 4412

→ Miscellaneous

VOICH MAIL BOXES: \$15 per month! Accors 24 hours a day, 7 days a week. Immediats message forwarding at no additional charge. For more info. Call 252-3186 ext.

SPROCE CREEK PLY-IN; Fly without the harsle of the Daytons Bunch ARSA, Call Adam now at 761 8301 and leave message.

I AM LOOKING for a ride to Washington. on Thunhagiving. If you have any information pls call 258-1915 or leave a note in Box. #5124. Thank

FREE TO A GOOD HOME: Black cat - has small patch of white on stomach, 7 months old. Call Jon 257-6460.

WANTED: MUSICIANS to form punk/progressive band. From faith no more to N.H. Need voice, drum, guitar #27 Also, Jim, give me a call. Dan 756-3641.

PAA AIRFRAME & POWERPLANT: Oral & Practical Examinations Conducted at Pan American World Alrways Miami, Florida. Please telephone for Appointment; Bill Bivens - Office (305) 874-2163, home (105)431-3436.

STUDENT DISCOUNTS: Vitaming, amino's, "energy capsules", protein powders; Twinlabe, Schiff, Thompson, Weider, many more - "Extra" discounts with student I.D.'s. Save up to 20% off retail. Daytona Flormar-

G-1-17 Center. Information Call Nicole weekday's - 238-1297,

→ Roommates

LARGE BEDROOM, cable TV; microwave, washer/dryer. Ferniahed with double bed, desk, dresser, sofa. Large closet. Residential house. 10 minutes from campus, \$200,00 a mosth, \$150.00 deposit, 1/3 utilities. Bob

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HAS MATTE OR MALES DOT YOU DOWN? Don't let it wait any longer! Get help now before you have to repeat the class? Call Adam in 261-8301 for inturing and SHOVE W ZHOWARD

RENTAL OF PIPER SEMINOLE Reasonable rates, less than \$100.00 Call Alox at

PERESONALIZED SCUBA DIVING Instruction: Student rates and fictible hours, class or private. Call Jun at 761-2021.

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WANTED: Multi-engine pilots to split time in light twin \$45-50/hom. Call Bill: 427-

FOR RENT-1 bedroom, 1 condominium, 10 min. from school. Quiet area, walk in closet, full buth , washer, dryer, kitchen w/ appliances, central heat/ AC. Rent: \$335 a month and deposit. Contact MR. Hannin 441-4034.

ROOMMATES NOT WORKING OUT?

MOVII IN NOW! Trails town house. 3 bdg/

operairs with own bath entrance. TV, stereo, Micro, WASH/DRY, Pool Inc. Garage for Island NICH PLACEI Ask for David 676-

ROOMMATES W N'IED for 3 bedroom, 2 1/2 both house close to school 225 per room inc utilities contact Juff 239-0827, Box 6258.

K(R)MMATE WANTED: To sham 3 bdm, 2 Hath Apr. 5171 mo. + 1/3 milities. Barringion Apts. For more info. call Milos or Dave at 252-2360 after 6:00pm.

SICK OF YOUR CURRENT ROOM-MATERII No problem! Have your own pad in om humble abode, it's grocovy. Reasonable rates and totally happenin roomics. No goelis please. We have a reputation to uphold! Don't wante mother minute. Pick up that phone & dial 253-6941. Operators are standing by,

ROOMMATE WANTED: for 2 bed/2 bath apt. share bodroom, 1/2 mile to school, \$165.00 a month + 1/3 util., washer/dryer, cable, microwave, pool, etc. 238-6465.

+ Personals

My sweet wife! It's been too long. It is over between him and I. We must get together for some caviar or a drink. Contact me. Your SYDNEY

JUNNIFER.

chance and roll the dice one more time.

PS: Think Warm

linough already! Take a cold shower, it'll

HELP! I'm trapped imide the carbon molecules of the newspaper ink. Somebody -ANYBODY - please help me get out. AAARROGGHIIII

Thanks for being there. You're very special. Say hi to twinks for mn. Miss you always,

Thanks for being a friend too. I'm glad we oan talk things over. Say hi to Kristy, Sass and Sparky for me. Miss you, YOUR LOVING DAUGITTIR

TO "WANTED":

If you even think you're going to have time

to spend outside of seminars you're crazy. She's mine!!!! HIC

Well it might be nice to think that you have a hint of magnetism, but let us look at this realistically, I'm cool. MANGLING EDITOR

MANGLING EDITOR,

you are in the wrong position to be making 2 bath mode one more adult. Bedroom is

I trust in BL's good judgement to pick the best man, and if she down't I'll beat the tar

All Neardesthal's resort to violence to solve life's challenges.

moment. You have and I am all smiles for you. True happiness comes to those that spread good cheer and laughter. Don't forget the other one who cams.

DIANA.

I told you he was a hom. Not it is time you moved on to bigger and better things. Take a

TO THE AVION, Thank you for your support of Haster Scals.

Hey, My name is Eric. I'm very interested and anxious to meet you, in any and all types of fun activities. If interested in meeting me please leave a message in box #7032. I have loads of time on my hands with very little to do. Sweet and Charming. ERIC T.

YO MANGLING EDITOR.

You may be cool, but you am not me. Plus

Touch MO

You're finally learning who's always right.

out of you. MH

When the time is right, one must seize the

TO: BUDDING ENGINEER.

I don't want the yoke to fall off on take off or the wings to break apart in flight because YOU fudged some lines. FROM: CONCERNED PILOT

DANIELLE,

You know, there could be more than one Danielle. I AM NOT HIM EITHER

RENEE,

Happy 21stl h's a little late, but better late than never. Remember, it's all down hill from here! IIA!

HEY THUMPER.

Can you breathe? "Yeah, I'm fine." YAK!!! How ya like those cookies! Better the first time? Your lookin kinda green there

SLEEPY THE W.W.F. CHAMP

GREEK WEEK has begun. Good luck to everyone. Watch out for the Scrovity!

MICHAEL B.

I left a note in your box anil you didn't return my note. HOW RUDE! I'm giving you a chance to redeem thyself. *HINT: Why don't you get that nacho way in the back.

ACIIT 90-91

Two more tests to 90 to finish Phase 1 of exams - so LET'S DO ITH

DORS ANYONE Know how many clubs will make the yearbook this time?

do it again sometime. Do you want to know

BARTI

what time it is? Beep...Beep... Hi Cecil, I mean Glenn. C-ya., MAGGIES, (LD)

Congratulations to Tony and Dennis, The A

I mesn Brian. Total Recall was groovy, let's

makers. Let's do it again.

ACET 90-91.

How's your mail situation doing?

BRIAN THE LIQUOR GUY, Wednesday, oh Wednesday, where for art thou oh Wednesday. THE APARTMENT

And usually win, I might add. Ask Manuel Noriega. Give up while your behind.

ME. Let's call a truce, there are more fish in the ton (D.C.)

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HAPPY BIRTHDAY!

CHRISTINA FERRAN

MARGARET PARDEE CONGRATULATIONS

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The SongKran Restaurant brings the flavors of Thailand to Daytona Beach!!
We specialize in the finest Thai cuisine specially cooked to your taste! Come in

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NO M.S.G!!



Reasonable Prices...

15 Daily Lunch Specials: Start at: \$3.50 Dinners start at: \$3.95 Lunch specials include soup or salad Beer and wine served

Catering for Special Occasions!

Take Out Available

Owned and operated by an Embry-Riddle Student! The SongKran Restaurant Open Tuesday through Sunday 11:00 AM till 10:30 PM 2309 Ridgewood Avenue, South Daytona 760-0300



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