

ksc bulletin



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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899

Published weekly under the provisions of KMI 1590.2. Mail items to KSC Bulletin on KSC Form 7-121.
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Advertised items must be available without regard to race, color, religion, sex, age, national origin, or disability.
URL: <http://www-lib.ksc.nasa.gov/lib/bulletin/bulletin.htm> (KSC only)
Deadline for Official/Unofficial notices - Monday, 9 a.m.

OFFICIAL

KSC BULLETIN: Because Monday, May 28, 2001 is a holiday, the deadline for the June 1 publication is **9 a.m., Friday, May 25, 2001.** (TA-E1)

MAY HEALTH EDUCATION AND WELLNESS PROGRAM—HIGH BLOOD PRESSURE: High blood pressure is often called the “silent killer” because hypertensives have few, or often, no symptoms. Millions have the disease, but are unaware of it. Blood pressure checks are available at all medical clinics during hours of operation. (TA-C2)

NATIONAL HIGH BLOOD PRESSURE MONTH: On-site blood pressure checks will be conducted as follows:

Wednesday	May 23	11 a.m. – 1 p.m.	ITL Warehouse
Thursday	May 24	11 a.m. – 1 p.m.	SSPF Cafeteria
Wednesday	May 30	11 a.m. – 1 p.m.	CX36 Site Support CCAFS (TA-C2)

MAY'S VISION SCREENING: Visual Acuity and Glaucoma Testing
Tuesday May 22 11 a.m. – 1 p.m. OHF (Occupational Health Facility) (TA-C2)

COLORECTAL CANCER SCREENING: Small amounts of blood in your stool, which can be detected with hemocult slides, can be an indication of colorectal cancer. Hemocult slides and instructions are available at all medical facilities during hours of operation. (TA-C2)

SCREENING MAMMOGRAMS for breast cancer are available at KSC, southwest corner of the parking lot behind HQ building. Call 1-800-367-1870 for an appointment. (TA-C2)

FITNESS CENTER SELF-DEFENSE CLASSES: The self defense classes have been such a success that we are now offering an on-going class called “Common Sense Self Defense.” The class meets Fridays from 12:15 p.m. to 1:15 p.m. in the O&C Fitness Center's group exercise studio. Join us to learn self defense skills that just might save your life. If you have questions please call 867-7829. (TA-C2)

NUTRITION TIP OF THE WEEK FROM THE KSC FITNESS CENTERS: The Internet hosts hundreds of recipe websites, and many interesting options for those trying to trim the excess fat, salt, or calories—or all three—from their diets. But there are 3 criteria that are important when choosing websites:

1. The site has to be well designed so that it's relatively easy to find what you're looking for.
2. The recipes have to be easy to prepare.
3. The recipes must call for ordinary ingredients that you're likely to have on hand.

Here are some sites that contain these 3 criteria – www.intelihealth.com (Intelihealth), www.cookinglight.com (Cooking Light Magazine), www.deliciousdecisions.org (American Heart Association), www.nhlbi.nih.gov (National Heart, Lung, and Blood Institute), www.allrecipes.com (Allrecipes.com), www.mealsforyou.com (Meals for You). If you want to get your diet in shape or just want new ideas for nutritional meals, check out these websites on your computer. (TA-C2)

FLAGS AT HALF STAFF: The flags of the United States flew at half staff on the Kennedy Space Center from sunrise to sunset on May 15, 2001, in compliance with Title 36 United States Code, Section 136, which establishes that date as Peace Officers Memorial Day. (TA-E2)

EMPLOYEE ASSISTANCE PROGRAM: All employees are reminded that the Employee Assistance Program offers free, confidential counseling to all Kennedy Space Center and Cape Canaveral Air Force Station employees. Appointments are necessary to ensure adequate time. This program is available Monday through Friday, 7:30 a.m. to 4:00 p.m. Appointments may be made by calling 867-7398. (TA-C2)

KSC LIBRARY: The KSC Archives regularly displays its collection of historical photographs for viewing by the KSC community. The display case is located between Rooms 1533 and 1537, across from the post office, in the Headquarters Building. The current display will feature Atlantis, participating crew members and mission achievements. Further information may be obtained by calling the Library Archives at 867-2407. (TA-E1)

KSC LIBRARY: The following new books are available for loan from the KSC Library. If you need information, please call 867-3600 or visit the Library in HQ, Room 1301.

Asteroids, #536109
Central European Phrasebook, #536059
CSRS Retirement Planning Guide, #535937
Eastern European Phrasebook, #536042
Electrical Power Equipment Maintenance and Testing, #536075
Farsi (Persian) Phrasebook, #536026
FERS Retirement Planning Guide, #535945
Gallery of Best Resumes for People Without a Four-Year Degree, #536133
Gallery of Best Resumes: A Collection of Quality Resumes by Professional Resume Writers, #536125,
Handling Violence and Stress-Related Issues in the Federal Workplace, #536141
Keeping the People Who Keep You in Business, #536158
Nautical Almanac: Caribbean 2000, #527314
Nautical Almanac: East Coast 2000, #527306
On-Demand Learning, #536166
Proceedings of the 38th Space Congress, #516127
Scandinavian Phrasebook, #536034
Strategic Management of Large Engineering Projects, #536091

To search the Library's on-line catalog go to: <http://nasagalaxie.larc.nasa.gov/>. For questions, call 867-3600 or **mailto:KSCLibrary@jbosc.ksc.nasa.gov**. (TA-E1)

KSC LIBRARY: The following documents are available for loan from the KSC Library Documents, Specifications and Standards Department, HQ Room 1124, or by calling 867-3613:

GAO-NSIAD-GGD-00-186: Space Shuttle: Human Capital and Safety Upgrade Challenges Require Continued Attention
NASA-CR-210849: Inviscid Flow Computations of the Orbital Sciences X-34 Over a Mach Number Range of 1.25 to 6.0
NASA-CR-210850: Summary Report of the Orbital X-34 Wing Static Aeroelastic Study
NASA-CR-210881: Science Data Report for the Optical Properties Monitor (OPM) Experiment
NASA-TM-210844: An Assessment of the State-of-the-Art in the Design and Manufacturing of Large Composite Structures for Aerospace Vehicles
NASA-TP-209591: V/STOL Dynamics, Control, and Flying Qualities
NASA-00160: SSME 0523 Test 902-772 Failure Investigation Final Report

To search the Library's on-line catalog go to: <http://nasagalaxie.larc.nasa.gov/>. For questions call 867-3613 or **mailto:KSCLibrary@jbosc.ksc.nasa.gov**. (TA-E1)

KSC LIBRARY: Three new documents, JSC-NSTS-37348, "System Requirements Document (SRD) For The Cockpit Avionics Upgrade (CAU); JSC-NSTS-37364, "Flight Operations Reinvention Integrated Verification Plan," and JSC-NSTS-37359, "System Requirements Document (SRD) For The Auxiliary Instrumentation System (AIS)," have arrived at KSC for distribution. If you are interested in getting on distribution for these documents and future updates, please contact the KSC Library in writing at mailcode: Library-D or by email: KSCLibrary@jbosc.ksc.nasa.gov. Please respond within one week of this announcement with your name, mailcode and phone number. Please allow approximately two weeks for delivery. These documents are also available on the following website: <http://sspweb.jsc.nasa.gov/pdcweb/cfm>. (TA-E1)

TECHNOLOGY TRANSFER PROGRAM: The main purpose of NASA's Technology Transfer Program is to transfer new technology to commercial organizations for ultimate benefit to the general public. The new technology items so transferred are often referred to as "Space Spinoffs." KSC and contractor employees are urged to participate in this important program by reporting their items of new technology. Such items may include any new or improved technique, tool, computer program, management systems or scientific data. KSC or contractor employees whose items qualify for publication in NASA Tech Briefs will receive a \$350 award. New Technology items should be reported on NASA Form 1679 to the KSC Technology Transfer Officer, Dave Makufka, YA-C1. To obtain an electronic copy of NASA Form 1679 or for additional information on KSC's Technology Transfer Program, visit the YA-C1 website at <http://technology.ksc.nasa.gov/DOC/ntr.html> or call 867-6227. (YA-C1)

EMPLOYEES WITH DISABILITIES: Employees with special transportation needs may call 867-7685 for intra-Center transportation. Transportation will be provided from 7:30 a.m. to 4:00 p.m., Monday through Friday, on an as-called basis. For additional information, call 867-6923, Debbie Houston. (AJ)

GRAPHICS/PUBLICATIONS: Before you begin any work for publication, consult the JBOSC Graphics Department. According to the print shop, approximately three jobs per week have to be reworked because of problems with alignments, reductions, and postscript formats. By consulting with JBOSC Graphics first, you will eliminate wasted time and effort to rework your project. Graphics will ensure your artwork is produced efficiently and is suitable for reproduction. Graphics has electronic transfer capability, a proven method for first quality prints directly from the original, compared to low density reproductions from copied artwork. For information, call 867-3838. For your convenience, JBOSC Graphics has two additional offices located in the O&C Building, Room 1152, 867-7419; and, in the OSB Building, Room 6204, 861-3814. (TA-E1)

OCCUPATIONAL MEDICINE PATIENT SERVICES PROGRAMS: All employees are reminded that nonoccupational-related information obtained from medical treatments, physical examinations, Health Education Program screenings, and mental, emotional, and substance abuse counseling through the Employee Assistance Program is PRIVATE, STRICTLY CONFIDENTIAL, AND SUBJECT TO THE PRIVACY ACT. (TA-C2)

KSC RIDESHARING PROGRAM: The KSC Ridesharing Program assists you in joining existing car/van pools or forming new ones. Forms for the Ridesharing Program are available by calling 867-3420. The information provided on the forms will be fed into a computer which matches people by residential areas and compatibility of work hours. Each person responding will be sent a list of potential car or van poolers. The Brevard County Space Coast Area Transit provides the listings. (TA-E1)

EMERGENCY MEDICAL ASSISTANCE: NASA has contracted with SOS International to provide emergency medical assistance for NASA Civil Service and contractor employees who are traveling overseas on official NASA business. The Occupational Health Facility (OHF) at KSC has information about this service for personnel traveling overseas. Those people traveling to the TAL sites in Spain and Africa will be provided this information by the GOMs prior to each trip. Before beginning your international travel, please contact the OHF to receive an SOS access card and access service guide. Appointments can be made at the OHF by calling 867-2025. (TA-C2)

SHUTTLE BUS CAUTION: Passengers exiting and crossing in front of Shuttle Buses are in danger of being struck by oncoming vehicles passing the stopped Shuttle Buses. Passengers are cautioned to be alert for oncoming traffic, and vehicle operators should use extreme caution when passing stopped Shuttle Buses and yield to pedestrians. (TA)

NASA/JBOSC OUTBOUND SHIPMENTS: To help ensure that all users of the JBOSC Shipping Department have their requirements met, the following procedure must be adhered to: Shipments processed through the JBOSC Shipping Department are for official government business only. Personal shipments are not authorized. All shipments must be accompanied by a properly completed shipping request document (KSC Form 7-248 or DD-1149). Carrier freight bills without the proper KSC forms will not be accepted. Shipments involving hazardous materials must have a Material Safety Data Sheet (MSDS) or other technical data sheet. Small priority/overnight shipments, including letters, must be received in the JBOSC Shipping Department no later than 2 p.m. or they will be processed on the following workday. Large priority shipments and/or shipments requiring extensive packaging must be received at least 48 hours prior to the required date at destination. Government property tagged items need to be routed through the proper Property Control Office before requesting the shipment and/or, if required, accompanied by a copy of a property custodian's approved KSC Form 1602. If you have any questions or require further information, call the JBOSC Shipping Section at 867-3501 or 867-7998. (TA-E1)

AUTHENTICATED:



Marilee Tewksbury
Marilee Tewksbury, Center Services (TA-E1)



FIRE AWARENESS + FIRE PREVENTION = ZERO FIRE.

UNOFFICIAL

SECURITY AMBULANCE FIRE
911 7-7911 1-7911

CAFETERIA MENU FOR WEEK OF MAY 21 THROUGH MAY 25

- | | | | | |
|---|---|---|--|--|
| *MONDAY
Cream of Tomato Soup
Meat Lasagna
**West Bay Chicken & Mango Salsa w/Rice | *TUESDAY
Chicken & Rice Soup
Chicken Fricassee over a Biscuit
**New Orleans Cabbage Salad | *WEDNESDAY
Knickerbocker Bean Soup
Country Fried Steak
BBQ Pork Spare Rib & Baked Beans
**Fiesta Potato Salad
***API WEDNESDAYS | *THURSDAY
Cream of Mushroom Soup
Shepherd's Pie
Chicken Parmesan w/Pasta
**Chicken Fajita w/ Grilled Vegetables | *FRIDAY
Seafood Chowder
Chili Mac
**Beef & Pasta Salad |
|---|---|---|--|--|

*Assorted vegetables, salads, desserts, and beverages available daily. ****Lighter By Choice** is our Nutritionally Balanced Selection. **Lighter By Choice** Grilled Chicken and Vegetable Burgers are available daily. Soup available daily—bowl, \$1.20/cup \$0.65. Each day a "Price Value Meal" or "Grill Price Value" is available and will be posted in each cafeteria. **La Pomadora:** A variety of Pizza, Stromboli, Calzone or Pasta is available daily. *****API WEDNESDAYS:** Soup: Mongolian Firepot. Meal Package: Pan Seared Fish o/Bok Choy, Sticky Rice, Steamed Chinese Vegetables, 16 oz. Beverage, Special—\$3.25. Deli: Lettuce Wraps—Stuffed w/Spicy Beef. Salad: Asian Chicken & Broccoli Linguini. Dessert: Sweet Fried Dough (Churros).

NASA EXCHANGE: Today is the last day for the NASA Exchange sponsored Book Fair. It will be held in room 1055 in the O&C building from 9 a.m. to 3 p.m. Best sellers, children books, health and home reference, cookbooks, and many other items will be available. Cash, checks, and credit cards will be accepted. Stop by the NASA Exchange stores and check out our new items for the summer. It will be here before you know it!

NASA EXCHANGE—POSITION OPENING: The NASA Exchange has a position opening in the warehouse. Full time Monday through Friday and the starting salary is \$6.50 an hour. You can pick up an application in HQ Building, Room 1157, and return them to BJ Rosburg. Applications must be received by close of business, May 25.

KSC EXCHANGE SERVICE STATION: Front disc brake job or rear drum brake job—includes pads, machine rotors, pack bearings, where packable, or rear shoes, machine rotors, top off fluids and inspect hydraulic components. This week only—\$64.95 per axle for most vehicles. Metallic pads \$15 extra. Call us at 453-1254 for an appointment or more information.

KSC EXCHANGE—CITGO GAS STATION: Attn: **The CITGO gas station is open!** Pay at the pump is open 24 hours, 7 days a week, for gas and diesel. CITGO and all major credit cards accepted. For information, call 453-1254.

KENNEDY SPACE CENTER FEDERAL CREDIT UNION REPOS: Repos located at the Merritt Island office. 1999 Dodge Avenger, \$12,500; 1995 Ford Ranger Supercab, \$7,500; 1994 Cadillac Seville, \$8,500; 1996 Nissan Pathfinder, 5-speed, \$11,775; 1996 Honda Accord, \$8,500; 1997 Nissan Quest, \$11,495; 1997 Chevy Blazer, 4wd, \$11,495, call 455-9400, ext. 1120. 2000 Plymouth Neon, \$9,000; 1998 Dodge Ram, \$17,000, call 386-761-9752.

KENNEDY SPACE CENTER FEDERAL CREDIT UNION: A representative from Kennedy Space Center Federal Credit Union will be at the following locations during the month of May to sign up new members and answer questions about the Credit Union: Wednesday, May 23, in the lobby of the O&C; Thursday, May 24, in the lobby of the OSB; Thursday, May 31, in the lobby of the SSPF. If you have any questions, please contact our Public Relations office at 321-455-9400, ext. 1135.

KSC EXCHANGE HAIRSHOPS: Is it time for a "New Look," or a trim or to freshen up for the Summer? Come browse through our style books for a "free" consultation. Our staff can perform all your hair needs. We provide the latest in styles; Regular haircuts, braids, colors, perms, beard trims, flat-tops, and the "Executive" or "Razor" cuts. Call 867-7077, HQ, Room 1250, and ask for Joyce, or call 861-3026, OSB, Room 1118, and ask for Fred or Raquel.

KSC TOASTMASTERS: Space Center employees are constantly in the public eye and in situations which require you to represent the United States Space Program. Employees are encouraged to develop their communication and leadership skills to meet this challenge. Toastmasters International is a professional, multi-level training program for both beginning and advanced education in the critical skills of "listening, thinking, and speaking"—all important tools in both the work environment and your personal lives. NASA has recognized this by reimbursing civil servants for the cost of training. For more information on the Toastmasters organizations and the three different locations/dates for training sessions at KSC and CCAFS, contact Mike Schnoke, Jack Jamba, Bill Cleaver, Dian Hardison, or Nona Mamaradlo at 784-7502.

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS (AIAA): The Cape Canaveral Section of the AIAA dinner meeting will be held May 24 at 6 p.m., Holiday Inn of Cocoa Beach. Guest speaker will be Brigadier General Douglas Barnett, Commander of the Florida Air National Guard. Members \$15, non-members \$18. Contact Doug Wright at 736-0030 or edwright@ianet by May 18.

HUMAN FACTORS MEETING: Topic—The State of the Art in Human Reliability Analysis and application to Aviation and Space, by Dr. Harold S. Blackman, Director of Environmental and Human Systems Engineering, Idaho National Laboratory and author of Human Reliability and Safety Analysis Data Handbook. Dr. Blackman will discuss the state of the art in human reliability analysis (HRA) and the recent work performed in the area of latent factors and errors of commission at the USNRC. He will also give examples using THERP, and FRANCIE, two HRA techniques being applied to aviation maintenance. This meeting will be held at Pumpernickel's Fest Haus, 2850 South Hopkins Avenue, Titusville, Florida on Wednesday, May 23, 2001. Cocktails 6:00 p.m., dinner 6:30 p.m., presentation to follow. Registration fee \$16. Reservations requested by Saturday, May 19, 2001. Call 267-3406 or email fchandle@digital.net. Sponsored by the Florida Space Coast Chapter of the Human Factors & Ergonomics Society.

LOGISTICS SCHOLARSHIP: The Space Coast Chapter of the International Society of Logistics Engineers is offering a \$1000 scholarship towards a degree in the Logistics Systems Technology program at Brevard Community College. Deadline for applications is May 31. For more information, contact Ms. Nancy Barker, BCC, 449-5046, or Jan Hall, 861-5287.

NASA SKI WEEK 11: NASA Ski Week 11 will be an 8 day/7 night trip to Breckenridge, Colorado on January 26-February 2, 2002. The trip is open to all NASA and Contractor employees, their families and friends. The price of \$1189 per person, double occupancy, includes round trip air fare from Orlando to Denver, all ground transportation, 4 mountain 5 of 6 day lift pass, 7 nights lodging at the Village Studios, welcome party, Banquet with entertainment, and Souvenirs. The Village Studios include a full kitchen and is 100 yards from lifts. The standard room has one queen bed and queen sleeper sofa. Option for sixth day skiing is available and a 1 day trip to Vail is included. Non-ski options and child prices are also available. There are 4 mountains to ski: Breckenridge, Keystone, Arapahoe Basin, and Vail. These mountains contain many slopes from beginner to expert. Other available activities include: Ice Skating, Sleigh Ride Dinners, Ice Sculpture displays, and shopping in the town of Breckenridge. There are only a limited amount of tickets available and I will not be getting any more. For further information or applications, contact: Richard Miller, KSC Tip Leader, at 861-3961, or Richard.Miller-1@ksc.nasa.gov.

FREE TRAINING: Attend over 140 hours of FREE training. Receive CEU's in 10 different procurement classes. Check out the Professional Development Courses for SESR's, Leadership Development, etc. Hear Astronaut John Young talk about his NASA missions. Explore over 600 exhibitors in over 800 booths. Learn how GSA can help you! **General Services Administration International Products and Services Expo**, May 22-24, 2001, Orlando, Florida. Register now at expo.gsa.gov, 1-888-272-5565.

BARRY UNIVERSITY: Barry University is now accepting applications for its Summer 2001 term that begins on July 9. Degree programs offered at its Merritt Island and Orlando sites include the M.S. in Information Technology, B.S. in Information Technology, B.S. in Professional Administration, Bachelor of Professional Studies, Bachelor of Public Administration and a Bachelor of Liberal Studies. Barry works with working adults offering four, 10-week accelerated terms per year with classes scheduled in the evenings and weekends. Undergraduate students can earn credit from work experience towards their degrees. For additional information or to set up an appointment with an advisor call the Merritt Island site at 453-6253 or email lgrant@mail.barry.edu or the Orlando site at 407-438-4150 or email jkreps@mail.barry.edu.

EMBRY RIDDLE AERONAUTICAL UNIVERSITY: The Master of Science in Technical Management (MSTM) program is tentatively scheduled for June 15. Apply now—applications accepted until June 1. Students earn a Master's degree in a lock-step program focusing on the management, communications, and team building skills needed in a technically-oriented enterprise. A laptop computer is assigned to every student for use during the program. Our next regular term begins May 28. We offer undergraduate and graduate degree programs in aviation and management related fields. Contact Jan Brigham, Space Coast Center Director, for more information or to apply at 783-5020 or mailto:space_coast_center@cts.db.erau.edu.

FLORIDA INSTITUTE OF TECHNOLOGY: Florida Tech offers a variety of master's degree programs at our Spaceport site, e.g. Master of Science in: Software Engineering, Computer Science, Computer Information Systems, Space Systems, Management, Engineering Management, Acquisition and Contract Management. Evening classes are held at Kennedy Space Center and Patrick Air Force Base. Distance Learning courses are also offered. Applications are being accepted for the summer semester, which begins the week of April 30. For a catalog listing all degrees and a schedule of summer courses, please call 453-2030 or 784-2045.

FLORIDA SPACE INSTITUTE: Florida Space Institute is offering a new and exciting course this summer—Space Environment and Payload Instrumentation. Studies of past NASA and Air Force spacecraft indicate that approximately 20% of all spacecraft failures are related to interaction with the space environment. In this class you will learn about the space environment and its effects. Learn to build your own space payload. Majority of the class time will be devoted to building an instrument for flight on a rocket. Dr. Eastes has worked on the Space Environment and space payloads for 20 years. He has experience with the effects of the vacuum, neutral, plasma, and radiation environments from work with spacecraft instrumentation and modeling of the space environment. Contact information for Florida Space Institute Carol Cox 452-9904, ccox@mail.ucf.edu.

UNIVERSITY OF CENTRAL FLORIDA: UCF's Department of Industrial Engineering and Management Systems (IEMS) plans a live, on-site Master of Science Program in Engineering Management at KSC beginning in August 2001. Contact Carol Cox, Florida Space Institute, 452-9904 or Dr. Elizabeth Baab, Division of Continuing Education, 407-207-4916.

UNIVERSITY OF MIAMI: The University of Miami is currently accepting applications for the Master of Science in Industrial Engineering (MSIE) starting in the Summer 2001 semester. MSIE applicants are required to have completed an engineering undergraduate degree from an accredited university. For more information and to receive an MSIE application/brochure, please call Mr. Augusto Roca, Program Administrator at 1-305-284-4100 or send email to augusto@miami.edu.

PERSONAL



CARPOOLS

Vanpool seats: Daytona/Ormond Beach/Port Orange to VAB/OPF/PAD's Areas, 6:30/7:00-3:30, Tom, 867-4529/386-409-3923.
Vanpool seats: Daytona/Port Orange/New Smyrna to OPF/VAB/LCC Areas, 6:30/7:00-3:30, Steve, 861-1485/904-238-3629.
Vanpool seats: Melbourne Beach/Indialantic/IHB/CB/Cape Canaveral to CCAS/KSC Industrial Area/VAB, 7:15-3:45, Goodrich, 867-6956/725-7383.
Vanpool seats: Melbourne to LC-39 Area, seats available, 11 passenger van, Galbraith, 861-4780/259-3138.
Vanpool seats: Melbourne/Eau Gallie to KSC Industrial Area, 7:30-4:00, Don, 867-4634.
Vanpool seats: Palm Bay/Eau Gallie/Suntree to ARF/VAB/Wiltech Areas, 7:00-3:45, Adam, 867-9853/259-4138.
Vanpool seats: Palm Bay/Melbourne/Eau Gallie to KSC Industrial Area, 7:00 - 3:45, Ivory, 867-7987/984-4316.
Vanpool seats: Palm Bay/Melbourne to KSC Industrial Area, 7:30-4:00, Ed, 867-4500/676-2533.
Vanpool seats: Palm Bay/Melbourne (Eau Gallie Blvd.)/Suntree (Baymont Inn) to KSC Industrial Area, 8:00-4:30, Ed, 867-0829/984-3861.
Vanpool seats: Palm Bay/Suntree to LC-39/OPF/Logistics/OSB/PCC, 7:00-3:30, Mark, 861-0991/725-6677.
Vanpool seats: Palm Bay/Eau Gallie/Suntree to USBI/OSB/LCC/VAB/OPF Areas, 7:00-3:45, Dan, 861-2486/952-8840.
Vanpool seats: Pickup at Goldenrod & University & Kmart on East Colonial to KSC Industrial Area, 7:30-4:00, Crickett, 867-3705/407-381-0748.
Vanpool seats: E. Orlando/KMart to KSC Industrial Area (HQ/O&C/SSPF), 7:30-4:30, Crickett, 867-3705, 407-381-0748.
Vanpool seats: E. Orlando/Sam's/Wal-Mart/Bithlo to LC-39 Areas/OSB/Complexes/PCC/OPF Areas, 7:00-3:30, Buddy, 867-3794/657-4941.
Vanpool seats: Orlando/Dean Road/Alafaya Trail/419 to KSC Industrial Area, Browning, 867-7963/407-277-8997.
Vanpool seats: Orlando/Conway Area/Union Park/Alafaya Trail to KSC North via Contractors Road, Schaefer, 861-5640/407-273-3048.
Vanpool seats: Orlando/University/Goldenrod/KMart/East Hwy. 50 to KSC Industrial Area, 8:00-4:30, Goff, 867-3020/407-644-0384.
Vanpool seats: Orlando/Conway/Union Park/Bithlo to VAB, USBI, OSB & Wiltech Areas, 7:00-3:45, Fishell, 861-2470/407-859-4009.
Vanpool seats: Orlando Fashion Square/Hwy. 50/Sam's Club to O&C/HQ/CIF/LC-39 & Logistics Areas, Al, 867-4457/894-3068.
Vanpool seats: Orlando/West 50 & Hiwassee/Metro West/Goldenrod & E/W /Alafaya & 50 to KSC Industrial Area, 7:15-4:00, Ed, 867-3587/299-7543.
Vanpool seats: Orlando/West 50 & Hiwassee/Alafaya & 50 to CCAS Industrial Area/CX36, Higgs, 853-8353/407-880-7410.
Vanpool seats: E. Colonial at Alafaya/419 Park & Ride to LC-39 Areas & ARF, 7:00-3:30, Brinko, 861-4986/407-971-0122.
Vanpool seats: E. Colonial to HQ/O&C/SSPF Areas, 8:00-4:30, Au-Mai, 867-2697/381-0183.
Vanpool seats: W. Colonial/Kirkman Road/Dean Road/Bithlow Park & Ride to LC-39 Areas, 7:00-3:30, Hall, 861-5355/422-3681.
Vanpool seats: Oviedo/Albertsons at Mitchell Hammock/E. Colonial at Alafaya to KSC Industrial Area, 8:00-4:30, Karen, 867-0045/407-568-6015.
Vanpool seats: Oviedo/Winn Dixie (Lockwood Blvd. & 419)/Lake Mills Rd./Ft. Christms/S.R. 50 to KSC Industrial Area, 8:00-4:30, Randall, 867-5656.
Vanpool forming: Orlando/E. Colonial to KSC Industrial Area, 7:00-5:15—M-W-F, 7:00-4:00—T-Th, Phil, 867-6052/407-382-0088.
Carpool: Deland Area to KSC Industrial Area, 2nd Shift, Monday through Friday Murray, 867-7963/904-736-8580.
Carpool: E. Colonial/Alafaya/S.R. 50 Park & Ride to VAB/OSB Areas & O&C Area, 7:30-4:00, Kim, 867-3911/380-8787.
Carpool: N. Melbourne to KSC Industrial Area, 6:30-3:00, Lois, 867-3072/254-4866.
Carpool: Oviedo/Winter Springs to KSC Industrial Area, 7:00-4:30, non-smoker, Patrick, 867-3400/407-359-3145.
Carpool: Oviedo/Winter Springs to KSC Industrial Area, flexible hours, Patrick, 867-3400/407-359-3145.
Carpool: Wedgefield/East Orlando/Christmas to OSB Area, 2nd shift, Dave, 861-2255/407-568-5657.
Carpool: S. Rockledge to KSC Industrial Area, non-smoking, 7:00-3:30, Robert, 867-4448/633-3091.
Carpool: Looking for a Carpool? So am I! Palm Bay/Melbourne, 7:00-3:30, Chuck, 861-1973/722-9084.
Ride needed/form carpool: Coventry of Cocoa (Highway 524) to O&C Building, 8:00-4:30, Setzer, 867-8681/639-9062.
Ride needed/form carpool: Daytona Beach to SSPF, non-smoker, 8:00-4:30, Ray, 867-0789.
Ride needed/form carpool: DeLand/Daytona Beach/New Smyrna Beach to OPF area, flexible hours, Larry, 861-1039/904-738-1821, evenings.
Ride needed/form carpool: Flagler Beach/Daytona to CCAS Industrial Area, 7:00-3:30, Bruce, 853-4066/904-439-9964.

CARPPOOLS (Continued)

Ride needed/form carpool: Melbourne to NSLD, 7:00-3:30, flexible on hours, Smith, 867-9819/724-9926.
Ride needed/form carpool: Clermont/West Orlando to LC-39 Area, non-smoker, 7:30-4:00, flexible hours, Jean, 861-9304/241-9074.
Ride needed/form carpool: Orlando to KSC Industrial Area, non-smoker, 9:00-5:30, Lewis, 867-2548/407-282-2908.
Ride needed/form carpool: West Orlando/Hunter's Creek Area by 417 to HQ Area, non-smoker, flexible hours, Nicole, 867-9566/407-856-6385.
Ride needed/form carpool: West Orlando/Hiawassee/Metro West to ARF, non-smoker, 4-10's, 6:00-4:30, flexible hours, Van, 867-7052/407-297-6636.
Ride needed/form carpool: Titusville, U.S. 1 to Patrick AFB, AFTAC Area, Shawn, 867-3073/259-6679.
Ride needed/form carpool: S. Titusville to CCAS Industrial Area, non-smoker, 7:00-3:30, Williams, 853-2592/268-2974.
Ride needed: Merritt Island at N. Banana River Blvd. to CCAFS/E&O Building, will pay for gas, Roop, 476-3677/453-0429.
Ride needed: Titusville at Garden Street & N. Carpenter Road to KSC Industrial Area, 7:30-4:00, Frank, 867-2874/264-0603.
Ride needed: S. Titusville at Barna & Hwy. 50 to KSC Industrial Area, non-smoker, 7:00-3:30, Nancy, 867-2260/269-2695.
Ride needed: Titusville at South Park Avenue & Barna Avenue to KSC Visitor's Complex, 9:00-5:00, Mukherjee, 452-4301/264-1865.

GARAGE SALE

Garage sale: May 19, 8-12, Merritt Island, 100 Gator Drive, BBQ grill, household items, miscellaneous, Locklair, 453-6591.

REAL ESTATE FOR SALE

House: N. Titusville, 2-B/R, 2-bath, 2-car garage, dead end cul-de-sac, new tile throughout, new paint, large lot, fenced, \$69,500, Griffin, 269-1616.
Manufactured home: Hawthorne, FL, E. of Gainsville, 3-B/R, 2-bath, excellent condition & 2-B/R, 2-bath, good condition, \$89,900/both, 452-2729.
Manufactured home: Mims, 4-B/R, 2-bath, pool, deck, fireplace, garden tub, \$65,500, 264-4649.
Mobile home: 2-B/R, 2-bath, 14'x60', 1985, 55+ park, A/C, washer & dryer, screened porch, \$9500, Williamson, 269-6255.
Lot: Oak Hill, on U.S. 1, appx. 1.0 acre, wooded, \$15,900, 783-4818.

AUTOMOBILES & RV'S FOR SALE

1966 Chevrolet C10 pickup, needs carburetor, B.O., 453-6439.
1979 Chevrolet El Camino, new 300 h.p. GM 350, CD, 134A, over \$1000 new/used spare parts, superior condition, \$3900/B.O., Williams, 799-1641.
1985 Pontiac Fiero, new engine/transmission/brakes/tires, warranty on engine & transmission, great paint & interior, \$5000, Ray, 383-4405.
1985 Chevrolet Monte Carlo, V6, A/T, runs good, body damage, \$500; 1972 Chevrolet Chevelle, 4-door, no motor, \$200, Osteen, 453-2763.
1987 Cadillac Deville 4-door sedan, all power, 124,000 miles, great car, \$1850, Pete, 264-1976.
1989 Chrysler New Yorker, 4-door, needs work but runs, \$500, 267-8089.
1990 Mercury Topaz XR5, 5-speed, silver, 1 owner, good condition, \$1800, Fuqua, 452-6166, leave message.
1991 Ford Escort GT, all power, 84,000 miles, excellent condition, \$1500, Jansen, 267-6198.
1992 Honda Prelude, 5-speed, A/C, white w/blue interior, runs great, 91,000 miles, \$7500, Steve, 453-4089.
1992 Mitsubishi Galant, A/C, A/T, P/W, P/L, stereo/cassette, 72,000 miles, very good condition, \$3100, Alderman, 253-2941, leave message.
1993 Coleman Destiny Cedar popup camper, A/C, very good condition, \$2300/firm, Jim, 385-0592.
1994 Honda Civic LX, 5-speed, 74,000 miles, excellent condition, \$5500, Lohne, 725-0405.
1995 Ford Explorer, Eddie Bauer, 4.0, V6, leather, P/S, P/W, computer, keyless entry, tow package, \$11,900, Gray, 383-7445.
1995 Nissan XE pickup, 75,000 miles, free oil changes for life of truck, super clean, \$5500/B.O., 242-9968.
1996 Chevrolet Astro conversion mini van, 7-passenger, P/W, P/L, TV/VCR, radar detector, limo lights, 95,000 miles, \$9500, Chris, 634-6864.
1996 2.5 TL, premium package, sunroof, AM/FM/CD, P/S, P/W, new tires, ABS brakes, security, white leather, 82,000 miles, \$12,500/B.O., 407-971-1412.
1996 Suzuki Sidekick, A/C, A/T, AM/FM/cassette, engine overhauled, black on black, new parts/have receipts, good mpg, \$5500/B.O., George, 383-1972.
1998 Honda Civic EX, manual, P/W, P/L, moonroof, 63,000 miles, excellent condition, \$12,700, Chris, 634-6864.
2000 Jeep Grand Cherokee Laredo, CD, black, 37,000 miles, excellent condition, \$18,000, Shields, 632-2618, after 5 p.m.
2000 Ford Focus ZTX, CD player, leather interior, 12,500 miles, excellent condition, \$1500/down & T.O.P., Diaz, 951-9710.
Rear engine dragster 8.40 quarter mile, will sell turn key \$10,500, or rolling chassis, \$6000, Taris, 631-5487.

HOUSEHOLD FURNISHINGS FOR SALE

Recliner/power lift chair, brown, \$350, Crisafulli, 453-1202, leave message.
China cabinet, 63" w x 82" l, excellent condition, \$600/B.O., 631-0904.
Entertainment console, mirror, glass shelves, black, marble finish, excellent condition, \$250, Terraglio, 454-7620.
Baby crib, like new, \$175; 3-way high chair, \$50; changing table, \$15, Bill, 904-427-7735.
Broyhill loveseat & sofa, tan, good condition, \$300, Cropper, 733-0072.
Crib, white, excellent condition, \$100/B.O.; queen waterbed, bookcase headboard, less liner, dark pine, \$50, Bailey, 269-4174.
Dinette table w/glass top, green wrought iron, woven seats, new cond., \$350; dining table, 6 chairs, china cabinet, cream lacquer & glass, \$500, 454-9875.
Oak table, 4 upholstered chairs, \$75; queen Serta Perfect Sleeper mattress, box springs, frame, like new, \$300; Dan River queen ensemble, \$50, 453-7178.
Wingback chair, mauve, excellent condition, \$100; TV stand, holds 36" TV, black w/glass door, \$35, Deshotel, 383-3093.

APPLIANCES FOR SALE

Kenmore range, good condition; Kenmore microwave, good condition, \$50/each, B.O., 631-0904.
G.E. chest freezer, works great, \$100/firm, 634-5743.
Kenmore washer, excellent condition, \$100; Kenmore electric dryer, good condition, \$40, Skinner, 632-0449.
Bryant 1 1/2-ton heat pump system, 541DU018 & 517EN018, thermostat, registers, more, old, you remove, Rick, 267-3457.

MOTORCYCLES & EQUIPMENT FOR SALE

1988 RM80, new top end, brakes, tires, \$750, Kelley, 636-5730.
1996 Yamaha Banshee, new motor, suspension, bushings, very fast, super clean, \$3800/B.O., Mark, 242-9968.
1997 Harley Davidson Dyna Wide Glide, purple, like new, \$15,500, John, 636-1372.
Ladies black leather Harley Davidson Willie G riding jacket, (M), size 40-42, \$200; riding black boots, size 7 1/2, \$40, Clay, 267-8481.

BOATS & EQUIPMENT FOR SALE

12' Hamant airboat, 2000, newly overhauled 0-540 Lycoming, 6 black warp drive, trailer, \$15,000/B.O., Brock, 242-9968, or page at 449-7971.
15.5' Glastron, open bow, 1984, 75 h.p. Johnson, aluminum EZ-loader trailer, runs great, good condition, accessories, \$2700, Palin, 454-9875.
16' Bass, 2000, 75 h.p. Mercury, trailer, new, Long, 639-9650, after 4:30 p.m.
16' bowrider, 115 hp. Johnson, trailer, \$2500/B.O., French, 453-3385.
18' Hobie Cat, 2 sets of sails, trailer, trapeze gear, harnesses, hot stick, \$1295, 783-4818.
18 Bayliner Capri, fish & ski, 1989, blue & red metalflake, white bottom, 125 h.p. outboard, stereo, swim platform, P/T & tilt, \$2300, Keener, 267-4686.
18' Ranger bass, 150 h.p. Mercury, silver, anniversary edition, only 200 produced, fully loaded, excellent condition, \$13,500, McMillen, 449-8889.
18" Bayliner Capri, 1984, fiberglass, Chrysler outboard, trailer, looks good, needs work, \$750/B.O., Paul, 453-6591.
1977' Maxum bowrider, 1989, 125 Force O/D, motor good not run in 2 years, upholstery bad, floor soft, galvanized trailer, rebuilt 1998, \$1500, 784-6047.
20' Wellcraft, Mercury 200 Black Max, aluminum trailer, excellent condition, \$5500, McCoskey, 267-1138.
Cobra Explorer kayak, 2 total, each w/2 hatches, paddle w/leash, highback seat, excellent condition, \$625/each, Ken, 452-8535, after 4 p.m.
1996 Yamaha Waveraider, \$2250, Taris, 631-5487.
Outboard lower unit bracket support, \$8/firm, 453-9690.

MUSICAL INSTRUMENTS & ELECTRONIC EQUIPMENT FOR SALE

Sony floor speakers, 150 watt max, includes stands, \$60/pair, Molina, 453-7810.
Pentium 166 MMX, 48 Mb Ram, 2.1 GB H/D, 33.8 MBPS mode, CD ROM, 15" monitor, Windows 98, Office 97, lots of software, \$195, Nick, 730-3338.
Rogers 5-piece drum set w/pro cymbals & hardware, \$500; Pearl maple master custom 24" kick drum, \$225; other drums & parts available, 633-0177.
Minolta 35mm camera w/tripod, carrying case, lens kit, macro lens, Tele 2X converter, flash, short lens, automatic rewinder, books, \$200, Clay, 267-8481.

MISCELLANEOUS FOR SALE

Class III trailer hitch off Ford Bronco, includes mounting hardware, \$50, Molina, 453-7810.
Electric treadmill, works fine, \$100; gym station, legs/press & pull action, almost new, \$150, diaz, 951-9710.
Taylor Made Burner Bubble irons, 3 PW, excellent condition, new Taylor grips, \$250/B.O., Garrison, 690-2224.
Foosball table, heavy, excellent condition, \$80, Hal, 631-6024.
Complete "N" scale train layout, on 3'x5' table, all accessories, control console, \$85, Penley, 631-6024.
Lycoming OS4 chrome cylinders, new; Legend golf cart, \$200, Kelley, 636-5730.
Gerry Convenience stroller, \$40; Gerry infant bike seat w/helmet, \$20, Fitz-Simon, 631-1332.
Pack-N-Go playpen, \$50; assorted toys & clothes, Bill, 904-427-7735.
Portable carport frame, 10'x20', needs new tarp, \$60; Craft Hut art show tent w/sides, 10'x10', skylight, awning, weights, like new, \$500, Hardy, 636-8839.
Medula Pump In Style, \$140; bassinet w/cover, \$20; BabyJogger II w/rain canopy, 16" wheels, \$180, Craig, 783-3648.
Golf clubs, new set Titleist copies 3-PW, True Temper S-300 Senicore shafts, \$165, Arnold, 632-7950.
Electric motor, industrial, 1 h.p., 3 phase, 3 total, excellent condition, \$20/all, Pack, 454-4660.
Troy-Bilt 4 h.p. high wheel trimmer/mower, offset head cuts close to fence, nearly new, \$250, Tabur, 609-4433.
1986 Ford 351 motor, 30 over, \$500, Osteen, 453-2763.
1995 Nissan transmission, 5-speed, 50,000 miles, B.O., Fuqua, 453-6439.
Custom A.R.E. Fiberglass topper for Dodge Dakota, excellent condition, \$475; window A/C units: 5000 btu, 5400 btu, good condition, \$35/each, 269-1269.
Hot tub, 10V gray granite 5-person spa, 6 months old, \$2700, Janet, 631-3972.
Electric motor, 2 h.p., \$25/B.O., Bailey, 269-4174.
Murray 15 h.p. 42" twin blade riding mower, \$350; edger, \$150 blower, \$50; electric hedge trimmers, \$40; spreader, \$20; pump sprayer, \$10., 454-9875.
Wedding dress, white bridal satin, size 6, Elizabethan fichu collar, beaded long sleeves w/bodice, full tulle o/satin skirt, chapel length train, \$250, 639-8677.
Craftsman lawn tractor, 42" deck, 15.5 h.p. Kohler, 2 bin bagger, mulching plug, \$500, Baz, 449-7279, before 9 p.m.
White workout bench w/arm/leg attachment, bar and weights, \$75, Clay, 267-8481.
Century Smart Move carseat (newborn to 40 pounds), excellent condition, \$35, Davis, 268-5485.
Girl's bicycle, \$65; Lobster tennis ball machine, \$30; Thule surfboard bike rack, \$40, Kelly, 636-0285.
Gerry backless booster seat w/soft back rest (separate pieces), 30 to 60 pounds, excellent condition, \$35/both, Davis, 268-5485.
Golf balls: 2 1/2 dozen Topflite; 1 1/2 dozen Pinnacle, new, 4 dozen total, \$40/all, Eric, 267-8086.
Compound miter box, Hempe Manufacturing Company, Inc., \$30, 751-1588.
Biology book, 5th Ed. w/study guide, \$45; Literature, 5th ed., \$15; Principles & Types of Speech Communication, 11th ed., \$15, Beauchemin, 454-7788.
Mage Knights, 150 figurines, including rares, role book & comic, fast & easy to learn, \$60/B.O., Richardson, 453-5191.

MISCELLANEOUS WANTED

Wheel, 15", for Jeep Cherokee, 1996-2000, reasonably priced, 631-0904.
Gas grill: trailer for 14' sailboat, 783-4818.
Galvanized or stainless steel water tank, 50-100 gallons; sand or diatomaceous earth filter, Hal, 631-6024.
Comic books, old or new, James, 453-5028.
1985 Honda Civic DX, running or not, Kelley, 636-5730.
14'-16' Gheenoe, good condition, Rick, 632-0134.
Timeshare, Marathon, in the Florida keys, week 29 or 31, Sisko, 383-1648.
Inversion table, Blackford, 631-7183.
Ham radio equipment: PK-232 Pakratt Packet, or Katronics All-Mode communicator, Canfield, 269-7185.
Ladies dive gear, size medium, Mayo, 449-9095, after 6 p.m.

