

# KSC bulletin



No. 50-00 - December 15, 2000

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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URL: <http://www-lib.ksc.nasa.gov/lib/bulletin/bulletin.htm> (KSC only)  
Deadline for Official/Unofficial notices - Monday, 9 a.m.

## OFFICIAL

### VISITOR RECORD CENTER (VRC) AND BADGING FUNCTION CHRISTMAS AND NEW YEARS HOLIDAY SCHEDULE:

Date	Gate 1 PIDS	Gate 3 PID	TAA-F Gate	VRC-HQ Bldg.
12/22	6 a.m. - 5 p.m.	6 a.m. - 5 p.m.	6 a.m. - 10 p.m.	24 hours
12/23 & 24	Closed	Closed	Closed	24 hours
12/25	Closed	Closed	Closed	6 a.m. - 2 p.m.
12/26-29	6 a.m. - 5 p.m.	6 a.m. - 5 p.m.	6 a.m. - 2 p.m.	6 a.m. - 10 p.m.
12/30 & 31	Closed	Closed	Closed	6 a.m. - 10 p.m.
01/01/01	Closed	Closed	Closed	6 a.m. - 2 p.m.

Limited staffing will be used for open facilities. The Visitor Record Center (VRC) is located in the KSC Headquarters Building, Room 1470, phone 867-7763. (TA-E2)

**KSC POST OFFICE:** The KSC Post Office will be closed December 25, 26, 29, 2000 and January 1, 2001. Normal postal service will be provided on December 27, 28. For information, call 867-3752. (TA-E1)

**FLAGS AT HALF STAFF:** The flags of the United States flew at half staff at the Kennedy Space Center on December 9 in honor of California US Representative Jullian Dixon. Congressman Dixon died on December 8, 2000. (TA-E2)

**DECEMBER HEALTH EDUCATION AND WELLNESS PROGRAM—HOLIDAY SAFETY AND HEALTH:** The holidays can be a time of great joy. They can also be filled with stress and anxiety: too many things to do, too little time, rich meals, parties, shopping, alcohol, unsafe holiday decorations, food and toys. December's packet will contain information on how to make the holidays safer, less stressful and more enjoyable. Packets will be available at all medical facilities and upon request to Carol Roth, 867-3414, CHS-005, email Roth-1, Carol. (TA-C2)

**NUTRITION TIP OF THE WEEK—FROM THE KSC FITNESS CENTERS:** Fat-free but not sugar-free! You might think that fat-free foods are better for you than regular foods, but they're not. In fact, foods that boast of their low fat content usually take up the slack in their sugar content. For example, three regular chocolate chip cookies have 11 grams of sugar and 140 calories, while three reduced-fat chocolate chip cookies have 12 grams of sugar and 120 calories. But I'm still eating fewer calories, right? Not according to what researchers have discovered. People actually eat more when they think the food they're eating is low in fat, thereby overcompensating for the few calories they save. The solution is to stick with fruits and vegetables. They are the best low-fat, low-calorie, low-sodium snacks you can eat. You can still treat yourself to a sweet snack now and then, but just keep a close watch on the number of calories you consume. (TA-C2)

**EAP TODAY:** A 12-minute Employee Assistance Program Orientation Video can be viewed on KSC/CCAFS Channel 60 every Tuesday at 11 a.m. If you have any questions after viewing the video, or if you do not have access to the video and would like the EAP to visit your site, please call Marion Ruffing at the Comprehensive Health Services, OHF, 867-7398. (TA-C2)

**POSTING MATERIALS AT KSC:** Employees are reminded that flyers, bulletins or any other such materials should not be posted directly on building walls. Official or organizational bulletin boards are provided throughout the center for this purpose. (TA-E1)

**2000 Research and Technology Report:** Once again it is time to prepare Kennedy Space Center's Research and Technology Annual Report. The report, with its wide distribution, provides NASA, academia, and industry with a broad overview of KSC's accomplishments in technology development. Articles should be prepared for all advanced technology funded projects. However, articles are also encouraged for projects that include technology development funded by other sources such as Shuttle, Payloads, Space Station, etc. Format will follow the same basic format as the 1999 report. Articles should be mail to Barbara LeDuke, DNX-8, no later than January 19, 2001. Early submittals are encouraged. For information on format and/or to receive a copy of prior year reports(s) e-mail: Barbara.LeDuke-1@ksc.nasa.gov or call 867-4526. (YA-C1)

**LEAVE TRANSFER RECIPIENTS:** Tonya Wright/PH-P4, Cheryl Greene/PH-P2, Diane Bent/PH-P and Tammy Hager/PH-H are members of the leave transfer program and are in need of donations at this time. Any civil service employee who would like to donate annual leave, forms (KSC 13-292) are available in any Administrative office, or in BA-B, HQ, Room 2507, or electronically on KSC E-forms. (PH-E)

**LEAVE TRANSFER RECIPIENTS IN NEED OF YOUR DONATIONS:** The Holidays are quickly approaching and even more of your fellow employees are in need of your "holiday cheer". Won't you share with them? You can get forms on-line at KSC Electronic Forms (KSC 13-290) or by request to your Admin Officer or the Employee Services Office (HQ, Rm 2507). Members are: Diane Bent, William B. (Boyd) Christopher, Nicole DeVesco, Cheryl Greene, Tammy Hager, Joyce Hedrick, Cheryl Mako, Eric Martin, Tonya Wright, Heriberto Soto Cora and Nancy Zeitlin. Thank you and may your holidays be filled with the kindness and generosity as you have shown others! (BA-B)

**KSC LIBRARY:** The KSC Library 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 new exhibit is "Peace on Earth", which features Earth photographs taken from space. Further information may be obtained by calling the Library Archives at 867-2407. (TA-E1)

**KSC LIBRARY:** A new document, JSC-NSTS-47001, "SSME Advanced Health Management System (AHMS) Project Plan", has arrived at KSC for distribution. If you are interested in getting on distribution for this document and future updates, please contact the KSC Library in writing at Mailcode: Library-D or by e-mail: [ksc.library@kscems.ksc.nasa.gov](mailto:ksc.library@kscems.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. (TA-E1)

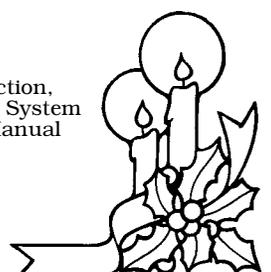
**KSC LIBRARY:** A new document, JSC-NSTS-37351, "System Requirements Document For Flight Operations Reinvention", has arrived at KSC for distribution. If you are interested in getting on distribution for this document and future updates, please contact the KSC Library in writing at Mailcode: Library-D or by e-mail: [ksc.library@kscems.ksc.nasa.gov](mailto:ksc.library@kscems.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. (TA-E1)

**KSC LIBRARY:** The following new specifications and standards are available for use in the KSC Library Documents, Specifications and Standards Department, HQ, Room 1124, and are not available for loan.

FLA-DOT-001-2000:	Florida Department of Transportation
FLA-DOT-005-2000:	Minimum Specification for Traffic Control Signal Devices
FLA-DOT-625-00-005-2000M:	Plans Preparation and Design Manual (Metric)
FLA-DOT-625-00-007-2000:	Plans Preparation and Design Manual (English)
FLA-DOT-625-010-002-D-2000:	Flexible Pavement Design Manual
FLA-DOT-625-010-003-2000:	Roadway and Traffic Design Standards for Design, Construction, Maintenance and Utility Operations on the Florida Highway System

SMACNA-BUILDING-SYSTEMS-ANALYSIS-RETROFIT: Building Systems Analysis and Retrofit Manual

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:** You may obtain copies of the following specification in HQ, Room 1124, by sending a request to mailcode Library-D, calling 867-3613, or emailing [KSCLibrary@jbosc.ksc.nasa.gov](mailto:KSCLibrary@jbosc.ksc.nasa.gov).

JSC-SL-E-0002 Change 100, 11/16/00 "Specification electromagnetic interference characteristics, requirements for equipment"

This specification can also be found at: <http://sspweb.jsc.nasa.gov/ntdata/ssp/webdata/pdcweb/subdocs.htm>. (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.

All the Right Moves, #529724  
CRC Handbook of Thermal Engineering, #529609  
CRC Standard Probability and Statistics Tables and Formulae, #529633  
Enclosure Fire Dynamics, #529641  
Framework for Complex System Development, #529716  
Handbook of Formulas and Tables for Signal Processing, #529757  
Hydraulics of Pipeline Systems, #529658  
Introduction to Adaptive Optics, #529773  
Introduction to Feedback Control Theory, #529617  
Mathematics for Mechanical Engineers, #529625  
Modern Optical Engineering, #529765  
MPEG-2, #529732  
Photovoltaic Systems Engineering, #529740  
Process of Network Security, #529708  
Resource Handbook of Electronics, #529674  
Stylebook and Briefing on Media Law, #529864  
Telecommunications Handbook, #529682  
Thermodynamics for Engineers, #529666  
Survey Research and the World Wide Web, #529948  
Federal Accounting Handbook, #529997  
Handbook of Adhesives and Sealants, #530003  
Brave New Service Strategy, #529922  
Direct from Dell, #529963  
Dictionary of International Trade, #529955  
Hérons & Egrets of the World, #529989  
Flow Rate Measurement in Multiphase Flows, #529971



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:

NASA-CP-209967-PREPRINT: Twenty-first Space Simulation Conference: The Future of Space Simulation Testing in the 21st Century  
NASA-CP-210546: Nanobiotechnology  
NASA-HHR-69: American X-Vehicles: An Inventory - X-1 to X-45  
NASA-SP-4520: Black Magic and Gremlins: Analog Flight Simulations at NASA's Flight Research Center  
NASA-TM-208567: Research and Technology: 1999 Annual Report John F. Kennedy Space Center  
NASA-TM-208584: Debris/Ice/TPS Assessment and Integrated Photographic Analysis of Shuttle Mission STS-106  
NASA-TP-210186: Propellant for the NASA Standard Initiator  
NASA-TP-210187: Viton's Impact on NASA Standard Initiator Propellant Properties  
NASA-TP-210192: Reliability Modeling of Microelectromechanical Systems Using Neural Networks

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)

**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 867-2307, Equal Opportunity Office. (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)

**PRINTING/COPYING PAPER USERS:** The NASA HQ Code JT has set a goal for each center to reduce the annual use of paper stocks by 10 percent. Suggestions on how to accomplish this goal are printing on both sides of the paper; circulating, posting, and publishing memoranda and other information using email, bulletin boards, routing slips, newsletters; and distributing documents in electronic format via file servers or home pages to avoid making copies on officer copiers. Your support in implementing these suggestions will help meet KSC's paper reduction goal. (TA-B3)

**USE OF MULTICOLOR OFFSET PRINTING, COLOR COPIERS, AND COLOR PRINTERS:** Managers and employees are reminded that all color printing/copying must be in accordance with NPG 1490.5A. The NPG states that offset printing in two or more colors is prohibited for work in which additional colors provide no demonstrable value, but are used primarily for decorative effect. The unnecessary use of color products costs the government additional money without additional benefit. The NASA Inspector General has reviewed various agency products and determined that color products have increased significantly. Managers at all centers are to ensure requests for multicolor printing and color copying are only made when the use of multiple colors adds demonstrable value, not just cosmetic appeal, to the product. For more information, contact the KSC Printing Management Officer, Ted Courson, 867-4256. (TA-E1)

**OFFICE COPIER VIEWGRAPH MATERIAL:** Viewgraph material will not be supplied to NASA and authorized associated contractors by the copier contractor, Lanier. All viewgraph material must be obtained through JBOSC Supply. The stock numbers are 7530-00-238-9232 and 7530-00-K05-4069. All other viewgraph materials are not acceptable for use in the Lanier Copiers. (TA-B3)

**ORDERING BLANK FORMS/PUBLICATIONS:** All requests for blank forms and publications should be submitted on KSC Form 7-11 to the Forms Warehouse (mailcode: "FORMS WAREHOUSE"). Allow approximately 5 working days to receive the requested material. Any requests for emergency or work-stoppage forms will be handled by Forms Control by calling 867-3590. Customers should not go directly to the warehouse to pick up forms without calling Forms Control first. Customers cannot call the Forms Warehouse direct because they have an unlisted telephone number. (TA-E1)

**DISTRIBUTION OF CHAIN LETTERS PROHIBITED:** Receipt by KSC personnel of chain letters through the KSC Mail System has been reported recently. Routing of this type of material through the mail system is not authorized per KMI 1530.1 (as revised), "KSC Mail Management Program." Your cooperation is requested in complying with mail distribution guidelines and in reporting any abuses to the KSC Mail Manager, 867-4256. (TA-E1)

**OFFICIAL NASA/KSC U.S. MAIL:** When sending official NASA/KSC U.S. Mail using NASA envelopes or mailing labels, the return address must contain the mailcode of the sender. Mail couriers will reject mail which does not contain a return address. (TA-E1)

**KSC MAIL SERVICES:** Proper mailcodes are essential for all items placed in the inter-office mail system. Failure to use them will delay delivery time. To obtain mailcodes, call 867-4369. It is the responsibility of KSC employees to notify senders from elsewhere of their correct mailcodes. (TA-E1)

**UNAUTHORIZED COMMITMENTS AND RATIFICATIONS:** An unauthorized commitment is an agreement between the Government and a contractor that is not binding; solely, because the Government representative who made it lacked the authority to enter into that **UNAUTHORIZED** agreement on behalf of the Government. Ratification is the act of approving an unauthorized commitment by an official who has the authority to do so. Unauthorized commitments are strongly discouraged and can indicate serious employee misconduct. Individuals making unauthorized commitments may be subject to disciplinary action, and the issue may be referred to the Office of the Inspector General. Only Contracting Officers acting within the limits of their delegated authority are authorized to commit the Government. If you are unsure of your authority, before directing a contractor to take any action, call your project control office, or the Procurement Office at 867-7217, for assistance. (OP-AM)

**AUTHENTICATED:**

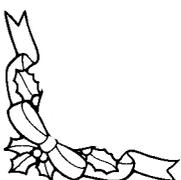


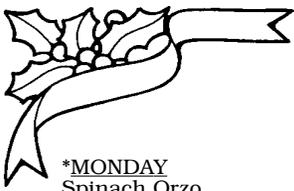
Marilee Tewksbury, Center Services (TA-E1)

**KEEP THE DREAM ALIVE - MAKE YOUR WORKPLACE FIRE SAFE.**



867-4714





UNOFFICIAL

CAFETERIA MENU FOR WEEK OF DECEMBER 18 THROUGH DECEMBER 22

\*MONDAY

Spinach Orzo
Vegetarian Soup
Roast Beef w/Mashed
Potatoes & Gravy
\*\*Asian Chicken
w/Rice

\*TUESDAY

\*\*\*Holiday Special
Prime Rib of Beef or
Stuffed Chicken Breast
Choice of 2-Vegetables
Dinner Roll
Choice of Dessert
Beverage - \$4.95

\*WEDNESDAY

Chicken Noodle
Soup
Veal Parmesan w/
Pasta
Beef Stew w/Rice
\*\*Oriental Marinated
Vegetables

\*THURSDAY

Split Pea & Ham
Soup
Fried Chicken w/
Mashed Potatoes
\*\*Turkey Tetrazzini

\*FRIDAY

Manhattan Clam
Chowder
Tuna Noodle
Casserole
\*\*Lemon Sole w/
Almonds & Potatoes

\*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. \*\*\*Holiday Special\*\*\* The cafeteria will also have; Chicken Gumbo Soup, Salad Bar, Grill items, Deli items, but there will be NO value meals, deli or grill specials on this day.

NASA EXCHANGE: Christmas is almost upon us! You'll only have 5 NASA Exchange shopping days left. It's still not too late to get that special gift but you better hurry, as supplies are limited! All stores except the O&C store will be open Friday (December 22) from 7 AM to 4:30 PM. Wishing you all the joys of the Holiday Season!

KSC EXCHANGE HAIRSHOPS: Is it time for a "New Look," or a trim or to freshen up for the Fall? 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 EXCHANGE SERVICE STATION Computer balance and rotate four wheels. This week's special — only \$24.95. Also available — shocks, struts, front-end components and 2-wheel alignment. Call us at 453-1254 for an appointment or more information.

KSC EXCHANGE—CITGO GAS STATION: 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. 2000 Buick Park Avenue, \$26,500; 1999 Dodge Caravan Grand, \$16,500; 1998 Mitsubishi Galant, \$11,000; 1998 Ford Escort, 5-speed, \$8,500; 1998 Dodge Neon, \$8,000; 1997 Plymouth Neon, \$6,875; 1997 Nissan Altima GXE, \$9,000; 1997 Nissan Altima GXE, \$7,500; 1996 Ford Explorer, \$14,000; 1995 Chevy Geo Prism, \$5400; call 455-9400, ext. 1120. 1999 Chevy Camaro, \$16,500; 1997 Dodge Neon, \$6,000; 1993 Isuzu Rodeo, \$5,995; call 904/761-9752.

KSC VISITOR COMPLEX—SPACE SHOP: Special Holiday Discount available now at the Space Shop. Shopping passes available at Admission Booths. Take advantage of 30% off all merchandise from December 1 through December 24. All KSC Employees are eligible with KSC identification badge only. Happy Holidays from your friends at the Space Shop!

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, Management, Space Systems, Computer Information Systems, Engineering Management, Acquisition and Contract Management. If you are interested in the Software Engineering degree, please call either of the numbers listed below for information. Evening classes are offered at Kennedy Space Center and Patrick Air Force Base. Distance Learning courses are also available. Applications are being accepted for the spring semester, which begins on January 8. For a catalog and schedule, please call 453-2030 or 784-2045.

UNIVERSITY OF MIAMI: The University of Miami is currently accepting applications for the Master of Science in Management of Technology (MOT) and the Master of Science in Industrial Engineering (MSIE) with a concentration in Engineering and Operations Management. Both programs will be taught at the Space Coast and will start in January/February 2001. Courses are held Friday evenings and Saturday mornings to accommodate working professionals. To receive an application/brochure and to obtain further information about both degrees please call Mr. Augusto Roca, Program Administrator at 1-305-284-4100 or send email to augusto@miami.edu.



PERSONAL

CARPools

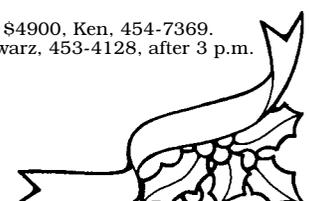
- Vanpool seats: Daytona/Port Orange/New Smyrna to OPF/VAB/LCC Areas, 6:30/7:00-3:30, Steve, 861-1485/904-238-3629.
Vanpool seats: Melbourne Beach/Indianalantic/IHB/CB/Cape Canaveral to CCAS/KSC Industrial Area/VAB, 7:15-3:45, Goodrich, 867-6956/725-7383.
Vanpool seats: Melbourne to LC-39 Area, 7:00-3:30, seats available, Cam, 861-7875/259-1955.
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/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: 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/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/East 50 & Hiawassee/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 & Hiawassee/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./Pt. Christmas/S.R. 50 to KSC Industrial Area, 8:00-4:30, Randall, 867-5656.
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: S. Rockledge to KSC Industrial Area, non-smoking, 7:00-3:30, Robert, 867-4448/633-3091.
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.
Ride needed/form carpool: Melbourne to NSLD, 7:00-3:30, flexible on hours, Smith, 867-9819/724-9926.
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: 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: 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.

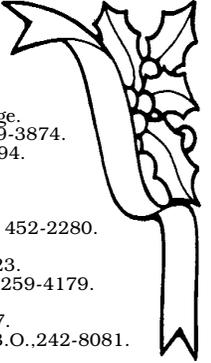
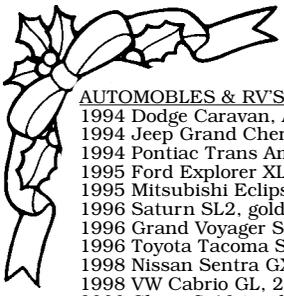
REAL ESTATE FOR SALE

House, Suntree, 5-B/R, 3-bath, family room w/35" built-in TV, large kitchen, roman tub, high ceilings, heated pool, 2800 sq. ft., \$279,000, 254-8810. Lot, 1.2 acre, North Mims, cleared, mobile home okay, \$22,000, Joey, 537-0589.

AUTOMOBILES & RV'S FOR SALE

- 1972 Corvette, coupe, A/T, \$12,900, Ed, 633-8355, evenings.
1977 Corvette, 350, A/T, A/C, factory side pipes, \$6000/B.O., Hardman, 452-3531.
1984 Alumalite travel trailer, 27', \$3800/B.O., Sam, 268-2738.
1986 Chevrolet Van, New dual A/C, tires, brakes, starter, fullsize conversion, \$3500, Nickell, 452-8909.
1986 Nissan, \$250; 1991 Buick Lesabre, \$2700; 1993 Plymouth Grand Voyager LE, dual air, \$5500; Tagtow, 268-0338.
1986 Honda Civic, new timing belt, front cv's, clutch, A/C, no rust, runs perfect, \$1800, Seaman, 264-9434.
1989 Volvo 740 GL, all power, 2-way sunroof, AM/FM cassette, cruise control, A/T, leather, very good condition, 182,000 miles, \$4900, Ken, 454-7369.
1990 Dodge Dakota longbed pickup, V-6 3.9L, A/C, A/T, P/S, P/B, AM/FM cassette, fiberglass topover, excellent condition, Schwarz, 453-4128, after 3 p.m.
1992 Ford Escort, 31,000 miles, new tires, \$3200/B.O., Ryan, 268-4744.
1994 Ford T-Bird, 113,000 miles, \$4000/B.O., Steve, 453-0612.
1994 Mazda MX6, fully loaded, \$4900/B.O., John, 633-0469.
1994 GMC Safari, full power, well maintained, 110,000 miles, \$6000/B.O., 264-1934.
1994 Coachman conversion van, \$15,000, Singer, 452-0848.





**AUTOMOBILES & RV'S FOR SALE (Continued)**

1994 Dodge Caravan, A/C, A/T, alarm/locks, new tires, 80,000 miles, green w/gray interior, ex. cond., \$5500, Tom, 636-6663, leave message.  
1994 Jeep Grand Cherokee Laredo, 6 cylinder, 2-wheel drive, new A/T, new fuel pump, new tires, garage kept, ex. cond., \$8000, Teague, 269-3874.  
1994 Pontiac Trans Am, black, A/T, power seat, performance upgrades, bra, shop manuals, 47,000 miles, ex. cond., \$10,500, Mike, 799-4494.  
1995 Ford Explorer XLT, 4x4, A/T, all power, A/C, excellent condition inside and out, Steve, 757-0418.  
1995 Mitsubishi Eclipse, 5-speed, A/C, P/S, P/B, CD player, new tires, 81,000 miles, \$8200, Perry, 267-0168.  
1996 Saturn SL2, gold, new tires, battery, and starter, 65,000 miles, \$7995/B.O., 453-6768.  
1996 Grand Voyager SE, 3.3L, V6, 2-sliding doors, rear A/C, child seats, P/S, P/W, P/L, AM/FM cassette, roof rack, 73,000 miles, \$10,500, 452-2280.  
1996 Toyota Tacoma SB, 4-cylinder, 2.4L, 5-speed, A/C, AM/FM cassette, bedliner C/C, 34,618 miles, \$9580, Jacobson, 639-3394.  
1998 Nissan Sentra GXE, 4-door, 4-cylinder, 5-speed, A/C, AM/FM, T/C, P/W, P/L, new tires, excellent, 48,000 miles, \$8000, Ron, 269-3423.  
1998 VW Cabrio GL, 2-door, white, 5-speed, loaded, power, 6-disc CD changer, tinted windows, 30,000 miles, mint, \$14,400/B.O., Kolasky, 259-4179.  
2000 Chevy S-10 truck, V6, A/T, A/C, P/S, P/B, CD player, 13,600 miles, \$15,500/B.O., Wilson, 267-9253.  
Ford F150 XLT truck, extended cab, 6-cylinder, A/T, C/C, P/W, bed liner, excellent condition, 35,000 miles, \$17,200/B.O., Smith, 453-2627.  
Dune buggy-rail, VW powered, road legal, all new wheels/brake system/electrical wiring/head lights/tail lights/turn signals/horn, \$2000/B.O., 242-8081.

**HOUSEHOLD FURNISHINGS FOR SALE**

Queen bedframe, \$15; queen headboard, aspen wood, rustic looking, \$25, Greg, 453-0904, leave message.  
Waterbed frame and headboard w/storage space, oak, \$60; queen mattress/boxspring, \$25, Finegerg, 631-6511.  
Mirror, oval, heavy oak, \$25, Hall, 452-3515.  
Baby crib, Bassett, \$50, Bush, 633-4116.  
Loveseat sofa bed, blue/off-white stripes, hardly used, \$75, Levenson, 783-0234.  
Roll top desk, \$75, Simandria, 633-0937.  
Twin 4-poster bed w/box spring and mattress, hutch w/ 4-drawer dresser, desk, lingerie chest, \$275/B.O., Walsh, 631-5640.  
White wicker king chair, \$20; white wicker bench, 51 x 2'w x 15" h, 634-5743.  
Bedroom set: king headboard/triple dresser w/hutch mirror/chest/night stand, colonial/dk wood, \$150; 2-rattan bar stools w/back, \$40/both, 254-9745.  
China cabinet, table, 8 chairs, \$1300; entertainment center wall unit, solid oak, \$400, Singer, 452-0848.  
Sofa, loveseat, chair, good condition, cream w/blue & mauve design, \$350, Bart, 631-2548.  
Sectional sofa, 2-piece, overstuffed, light blue/gray fabric, good condition, \$200, 383-3366.  
Entertainment set, 4' h x 4' w, glass doors w/shelves and storage drawers, black w/gold trim, \$75/B.O., Tom, 984-2771.  
Sofa and loveseat, rose/blue/white geometric print, queen pull-out bed, very good condition, \$125, Betty, 636-3175.  
Dinette, 4-chairs, white, \$100; coffee/2-end tables, whitewash, \$50, Ownes, 431-7776.  
Dining table, chairs, buffet, light wood, contemporary style, ex. cond., \$600; Norwalk sectional sofa, southwest pattern, ex. cond., \$650, 268-8080.  
Sofa & loveseat, black velvet w/multicolor design, \$300/firm, Gastelum, 632-0982.  
Unfinished oak table, 6-chairs, \$150, Roddan, 459-3582.  
Microwave cart, white w/oak trim, \$25; telephone cart, maple w/magazine shelf, \$20, 452-7984.  
Bedroom set, 5-piece traditional, nightstand, headboard, 2 dressers, mirror, excellent condition, \$250, Weaver, 454-3493.

**APPLIANCES FOR SALE**

Panasonic microwave, \$25; Kenmore stove, \$50, 634-5743.  
Kenmore air conditioner, 6000 BTU, never used, \$250, Singer, 452-0848.  
Imperial commercial freezer, 20.7 cu. ft., \$300, Spurlock, 453-4548.  
Upright freezer, 12 cu. ft., \$150, 633-7579.

**MOTORCYCLES & EQUIPMENT FOR SALE**

1989 Suzuki Katana, 7100 miles, excellent condition, black w/red and gray trim, new Metzler tires, garage kept, well maintained, Larry, 452-7984.  
1991 Suzuki RMX250, low hours, new condition, \$1700/B.O., Katrick, 269-5406.  
1996 BMW R100RT, blue, ABS, hard side bags and trunk, radio, Corbin seat, 43,000 miles, Headrick, 267-5293.  
1996 Honda CR80 dirt bike, less than 5 hours, water-cooled/race ready, \$1000/firm; 1983 Honda XR500, new tires, chain, sprockets, \$700, 449-0092.  
1998 Honda Magna, windshield, back rest, highway pegs, 3-tone paint, 1300 miles, excellent condition, \$6000, Mike, 799-4494.  
2000 Kawasaki 2X6R, red w/ 2-matching helmets, 5000 miles, \$6500, Monge, 454-9832.  
Go-Ped, new, w/After Market Performance parts, \$425, Doug, 636-9984, after 5 p.m.,

**BOATS & EQUIPMENT FOR SALE**

14' Johnson F/G boat, 1996 15h.p. Johnson outboard, extras, \$1650, Rod, 452-8909.  
16' Bonita, 1975, 70 h.p. Johnson, galvanized trailer, everything like new, runs great, \$1500, Brian, 773-0153, evenings.  
16.7' Cruisebo, 1977, Land-C trailer, center console, 85 h.p. Force engine, live well, Hummingbird fish finder, \$2000, Hardman, 452-3531  
19' Hydra-Sports flats, 1994, loaded, 150 h.p. Evinrude, depth/fish finder, push pole, aluminum trailer, garage kept, ex. cond., \$12,000/B.O., 269-3423.  
23' Proline, 1984, center console, 90 gallon fuel tank, trailer, tower, \$4000/B.O., Hutchinson, 904-427-8224, leave message.  
Yamaha WV700 and Wave Blaster II, trailer, extras, \$7100, Tagtow, 268-0338.  
1996 Seadoo GTX, 3-seater, good condition, 80 hours, w/ double trailer, \$3500, Doug, 636-9984, after 5 p.m.  
2000 Honda 4-stroke, 25 h.p. engine, \$2000/B.O.; after market tilt/trim unit, fits engines to 40 h.p., \$495/B.O., Huber, 632-7497.

**MUSICAL INSTRUMENTS & ELECTRONIC EQUIPMENT FOR SALE**

Alesis D4 drum brain, 3-Simmions drum pads; Sony Playstation w/2-key pads & commercial ctr/fighter plane ctr/memory card/games, 631-4700.  
Nextel Motorola 1000 plus radio cell phone, \$80, Shivel, 264-0501.  
Ampeg SVT410HE bass cabinet w/horn, \$350, Jimmy, 636-2402.  
Amplified bass tube, \$50, Greg, 453-0904, leave message.  
Ludwig 7-piece drum set and cymbals, great condition, \$1000; Tama rock star drum set and cymbals, great condition, \$850, Ralph, 453-1807.  
Technics semi-automatic turntable, model SL-BD10, excellent condition, Shutt, 242-6507.  
Compaq MV540 monitor, 15", JBL speakers, new, \$100, Dan, 631-6414.  
Denon AV Receiver/amp model DRA-75VR w/remote, \$30; Denon CD player w/ remote, \$20; Ford cassette tape deck, \$10, Hall 452-3515.  
Sanyo, 2-floor speaker in stereo glass cabinet, \$40, Bush, 633-4116.  
Sony Playstation, 2-controllers, 6-games, carrying case, \$150/B.O., Robinson, 453-2421.  
AST 486 PC, 28 MB memory, Windows 95, upgraded to 68 Mhz, 14" VGA monitor, mouse, memoryboard, 14.4 fax modem, Hall, 773-2430.  
Sharp laptop 486, upgraded memory, CD drive, Windows 95, carrying case, \$500, Levinson, 783-0234.  
Stereo, cabinet, 2-speakers, eight track, many old albums & tapes, \$100/all, 254-9745.  
Ericsson DH318vi cellular telephone, home & car chargers, leather case, excellent condition, \$30, Wayne, 453-1959.  
Athalen 800 Mhz tower computer, 128M RAM, 30.7G Maxtor hard drive, 32M TNT2 video card, 52X IDE CD ROM, and much more, \$1200/firm, 631-7448.  
CB equipment, new, \$450, Antes, 636-1178.  
Dell Laptop computer, like new, \$325/B.O.; Brother word processor, portable, new, \$150, Gastelum, 632-0982.

**MISCELLANEOUS FOR SALE**

Little Tikes Barbie house, \$60; 5-gallon container of glow-in-the-dark pigment, \$80, Shivel, 264-0501.  
Aluminum topper, fits small pick-up, excellent condition, \$125, Katrick, 269-5406.  
Free Spirit Grand Peak man's bicycle, 16 speed, all terrain, \$50/B.O.; Huffly Blades, man's 16 speed bicycle, all terrain, \$50/B.O.; good cond., 252-6507.  
Cooper Cobra P205/50x15 tires, 4, 12,000 miles, \$200/B.O.; DP Magnum weight bench, leg attachment, \$40; In-Stride walker exercise, \$20, 268-2008.  
Sears Craftsman chain saw, 18", case, extra chains, \$50; toys, girl's bicycle/20"/pink & purple, great shape, \$50, Roberson, 459-3609.  
Fuel tank, 18 gallon Tempo permanent gas/diesel, 16" x 26" x 14", \$60, Rod, 452-8909.  
Professional dry mount press, Seal products, jumbo 160M, up to 15" x 18" artwork, \$300, 631-6511.  
NordicTrack Pro, \$30; Smith ski goggles; ladies ski gloves, youth size 8 & ladies size 9/10 ski bib; treasure chest of books, Learning Center, Hall, 452-3515.  
Mini-blinds, 3, almond, 51" w, \$10; full wetsuit, medium, \$60, Chris, 453-7916.  
McCoullough Chain saw, 14", like new; gas blower; 2-stroke edger; 16' ladder, Scott, 452-8723.  
Tree Lounge treestand, extras, Bow Hunter platform, pillow, pad, large knobs, excellent condition, \$185/firm, Dave, 631-8925, after 6 p.m.  
Ladies ski clothes, like new, 2-jump suites, small, \$30; hats, gloves, Gallimore, 783-4227.  
DeWalt 12.0V drill/driver, 2-batteries, case, \$55, Drake, 268-5030.  
Golds competitor series gym, complete, many stations, like new, \$200, Gardner, 264-0735.  
Sears 12.5 lawn tractor, \$275, Tagtow, 268-0338.  
Dive gear: small ScubaPro BC, octopus, 2-weight belts, dive skin, spring suit, spare tank belts, mask, bag, \$650, Dave, 639-4941.  
Stairstepper, new \$40; manual treadmill, \$10, 634-5743.  
Plates, Norman Rockwell, 71 total, first editions, numbered, dating to early 1940's, Norman Rockwell bells & mugs, make offer for all, 254-9745.  
Tow bar, \$50; tow dolly w/hydraulic brakes, \$1250, Singer, 452-0848.  
Artcarved women's band, white & yellow gold, \$75, Spurlock, 453-4548.  
Razor scooter, original, JD Bug MS130-B1, front suspension, carrying strap, new, \$90, Luis, 407-823-7655, evenings.  
Leer topper for Chevrolet 1500 shortbed, white, 6-windows, \$250, Jim 904-423-0057.  
Table saw, Builders Square, 10", extension mod, \$50, Bower, 459-1658.  
Tiles, marble, 16" x 16", green tones, 2-boxes, \$25, Owens, 431-7776.  
Boy's navy blue suit, size 20, worn 2 times, \$20, Brown 253-1677.  
Duck decoy blanks, 2, carved, sanded, \$20, Murray, 267-0678.  
Antique safe, circa 1860, 3000 lbs., \$650; sm. block 400, 450 h.p., new, \$2000; chainlink fence, rubber coated, 200' x 5', \$150/B.O. Antes, 636-1178.  
Tent, 6-man pyramid, 9', collapsible center pole, all weather, portable, \$150; 22 duck decoys, \$35/all, 459-9378.  
Dog cage, large, \$35, 633-7579.  
Girl's Barbie jeep, 2-passenger, new batteries, pink high/low power, \$50; bugshield, Dodge Caravan, \$10; Bugshield, Chevrolet Astrovan, \$15, 690-0083.  
1986 John Deere tractor, no mower, 18 h.p. Onan, runs good, \$800/B.O., Joey, 537-0589.  
Exotic reptile/bird cage, custom built, 7' x 4' x 2', tongue/grove pine w/ 4' x 4' hand painted mural, \$1500/B.O., 267-8089.  
Custom built sand box w/toy box, ramp, perimeter seat, solid wood, \$40/B.O.; Shimono 20" bicycle, girls, good condition, new, Snider, 383-0890.  
Wetsuits: spring suit, X-large, \$45; full suit, X-large, \$65; surfboard, 6'8", QF Tri-fin rounded pin, \$225, Shaw, 779-4893.  
Girl's bike, 24", 10-speed, good condition, \$30, Wayne, 453-6795.

**MISCELLANEOUS WANTED**

1999 Hooked on Phonics, new version, Richie, 268-5622.  
Cast iron skillet, Simandria, 633-0937.  
Little Tikes Playhouse; anything Little Tikes; all in excellent condition, reasonable price, Shelby, 269-7187.  
Tool box for small truck, plastic, size 37"l x 21" w x 20" h, reasonable price, 453-9690.

