



# MARSHALL STAR

Serving the Marshall Space Flight Center Community

July 17, 2003

## Rex Geveden named Marshall deputy director

*NASA Headquarters release*

**R**ex D. Geveden was named deputy director of the Marshall Center by NASA Associate Administrator for Space Flight William F. Readdy on Monday.

Geveden will succeed David King, who became Marshall's center director on June 15.

"I'm very pleased that Rex Geveden is joining NASA's senior leadership team," said NASA Administrator Sean O'Keefe. "Selecting the right people to lead NASA into the future is essential. Rex has proven his capability by successfully taking on the management of tough programs like the Gravity Probe-B and

meeting all challenges. In fact, the spacecraft was shipped last week to the launch site."

As Program Manager for Gravity Probe B (GP-B) since 1996, Geveden led a government, industry and university team in developing a sophisticated payload designed to test two features of Einstein's general relativity theory.

Geveden has been serving as deputy director of the Science Directorate at Marshall where he leads 600 government, industry and university employees in scientifically diverse research and development projects in space science, materials science, biotechnology, Earth science and

*See Geveden on page 2*



Geveden

Photo by Dennis Olive, NASA/Marshall Center

## NSSTC scientists, Alabama A&M students dig high and low for soil moisture data

*by Sherrie Super*

**A** water-sensing satellite orbits more than 400 miles above Earth. An instrument-packed airplane circles 25,000 feet above three U.S. states and Brazil. Scientists, college students and other volunteers troop into the countryside, armed with sensors and notepads. It's all about "getting the dirt." In this case, collecting detailed information about soil.

The objectives are two-fold — validating soil moisture data gleaned from satellites and working to find the optimum instrument for conducting soil moisture remote sensing. By learning how to better gauge the amount of moisture in the soil, scientists are pursuing the long-range goal of eventually helping to improve the accuracy of weather forecasts and better

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Participants in soil moisture experiments measure data that include soil temperature, moisture, ground cover type and plant height. From left are Martine Sealy, of Fort Valley State University in Fort Valley, Ga.; Dr. Charles Laymon of the Global Hydrology and Climate Center in Huntsville; and Kinnis Gosha, Jr., of Albany State University in Albany, Ga.

Photo by Terry Leibold, NASA/Marshall Center

# Geveden

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space optics.

“Rex’s record of accomplishments and the fact that he is held in high esteem by his peers and customers in industry, academia, NASA Headquarters, and Marshall make him an excellent choice for the position of Deputy Center Director,” Readdy said. “Marshall has an important role in the Agency’s science missions and Rex’s science background adds the science dimension to the center deputy role.”

Geveden was the first NASA employee to achieve the highest level of certification in the Agency’s Project Management Development Process.

Geveden also was project manager for the Lightning Imaging Sensor (LIS) and Optical Transient Detector (OTD) flight

experiments. The OTD was delivered as a completed instrument in only nine months and operated successfully on orbit for five years, producing the first global database that included cloud-to-cloud lightning events. Geveden also was chief engineer for the Waves in Space Plasmas (WISP) and the Laser Atmospheric Wind Sounder (LAWS) experiments.

“As a trusted and respected member of the Marshall senior management team, I look forward to working closely with Rex in his new capacity to build a great future for Marshall and NASA,” said David King, Marshall Center Director. “Rex is a proven leader and motivator of people whose personal character and program management capability exemplify the highest ideals of NASA.”

Geveden served as manager of the

Microgravity Science and Applications Department at Marshall, where he led a team of 350 scientists, engineers and project managers in a national space research program in materials science and biotechnology. His organization delivered the first and many of the early payloads to the International Space Station.

Geveden joined NASA in 1990. He earned a bachelor’s degree in engineering physics and a master’s degree in physics from Murray State University in Kentucky, and is currently pursuing doctoral studies in Materials Engineering at Auburn University in Alabama. He has received many awards throughout his NASA career, including the NASA Outstanding Leadership Medal and the Silver Snoopy award.

## Mentor training available in August

*From the Employee and Organizational Development Department*

A set of one-day training programs for present or prospective mentors, as well as for those benefiting from a mentoring relationship, will be Aug. 28.

“Mentoring Excellence” and “Making the Most of Being Mentored,” will be from 8:30 a.m.-3:30 p.m. in a location to be determined. Perrone-Ambrose Associates, national experts in the field of mentoring, will present the programs.

“Mentoring Excellence – Principles and Skills for the Mentor,” is for active and prospective mentors. The varied functions of mentoring will be clarified and participants will learn to set up mentoring goals and plans with protégés, explore the major guideposts of being an excellent mentor, master the “mentoring conversation” and design learning activities and challenges for their mentorship.

“Making the Most of Being Mentored – A Guide for Protégés and Mentees,” will teach participants how to find and work with a mentor. Whether currently a protégé or mentee, the course will explore how to build a learning relationship with a mentor, broaden learning options, clarify what roles can be brought into a mentoring relationship, define developmental goals to pursue and the resources to use, and assess the major competencies of an effective mentor relationship.

Interested participants should submit a Request for Approval of Training Form 59 to CD20 by Aug. 15. These are two separate classes offered concurrently on the same day. Participants should specify which class they wish to take. For more information, contact Ela Washington at 544-1164.



Courtesy photo

### Who Am I?

I grew up in Decatur and was captain of the Austin High School Flag Corps during my senior year. I played the clarinet, piano and keyboards. My nickname was “Tammy” and I was one of the few women enrolled in the School of Engineering at Tuskegee University. To see who I am, go to page 6.

# Whitlow named Kennedy Space Center deputy director

NASA Headquarters release

**W**illiam F. Readdy, associate administrator for Space Flight at NASA Headquarters in Washington D.C., named Dr. Woodrow Whitlow, Jr., as the new deputy director of Kennedy Space Center (KSC) effective Aug. 31.

Whitlow will succeed James W. Kennedy, who becomes center director on Aug. 10.

"Dr. Whitlow is a tremendous addition to our KSC leadership," said NASA Administrator Sean O'Keefe. "Woodrow will help maintain the Center's unsurpassed performance as the world leader acquiring, preparing, managing and launching key payloads and expendable vehicles. He is an experienced, proven performer and leader with the right technical expertise to help NASA successfully return to flight, while successfully conducting other launch, science operations, and payload processing."

As director of Research and Technology at NASA's Glenn Research Center (GRC) in Cleveland since 1998, Whitlow led a staff of more than 470 scientists and engineers conducting research in high-temperature materials, aerospace power, propulsion systems, structures, and acoustics. Whitlow planned and directed

GRC research and technology development efforts to meet NASA programmatic commitments for advances in space power, space and aeronautics propulsion, and space communications.

"Woodrow's background, experience, technical expertise and proven leadership ability made him the logical and right choice as KSC's deputy center director," Readdy said. His background, knowledge and experience across a wide variety of NASA programs adds a critical dimension and focus to the center deputy's role, as we work to return to flight safely and as expeditiously as possible."

Before moving to GRC, Whitlow was chief of the Structures Division at NASA's Langley Research Center (LaRC) in Hampton, Va. He planned, directed and coordinated the research of a division of more than 100 scientists and engineers. The research included analysis, wind tunnel testing and ground and flight experiments. The experiments covered computational and thermal structures, structural mechanics and dynamics.

Prior to that, Whitlow was deputy director of the Aeronautics Program Group at LaRC. He led and managed key research programs to develop technology for airframe systems to help maintain the superiority of U.S. aircraft, and achieving

a safe, affordable, global transportation system. Whitlow also served at NASA Headquarters in Washington in the Office of Aeronautics as the director of the Critical Technologies Division and program manager for Structures and Dynamics.

Whitlow joined NASA in 1979 as a research scientist at LaRC and has held positions of increasing responsibility since then. He earned bachelor's and master's degrees in aeronautics and astronautics at the Massachusetts Institute of Technology (MIT) in Cambridge, Mass. He received his doctorate from MIT in aeronautics and astronautics, with a minor in applied mathematics.

He has received many awards during his career, including the Institution of Mechanical Engineers William Sweet Smith Prize for Outstanding Paper on Advanced Propulsion Systems; MIT Martin Luther King Leadership Award; National Technical Association Achiever of the Year; and U.S. Black Engineer of the Year for Outstanding Achievement in Government.

His NASA awards include, Senior Executive Service Performance Award, Equal Opportunity Honor Medal; Exceptional Service Medal and the LaRC Special Achievement Award.

## Jacobs Sverdrup wins U.S. Small Business Administration's Award of Distinction

**A** Marshall Center contractor has received the U.S. Small Business Administration's Award of Distinction.

Jacobs Sverdrup was presented the award in June. It is given to fewer than 2 percent of the nation's larger federal contractors for exceptional small business subcontracting programs. The award is part of the national Small Business Administration's Federal Procurement Awards Program.

Jacobs Sverdrup is the prime contractor at Marshall for the engineering, science and technology services contract with more than 420 on-site personnel. Small business subcontractors working with Jacobs Sverdrup include Huntsville-based ERC, Morgan Research and the Qualis Corp.



Lon Miller, center, Jacobs Sverdrup vice president and general manager of the company's Marshall group, accepts the U.S. Small Business Administration's Award of Distinction. Mitchell Morand, left, SBA Area III director for government contracting, and Jack Wright, the SBA's district director for Alabama, help make the presentation.

Photo by Terry Leibold, NASA/Marshall Center

# Soil

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estimate crop yields through remote-sensing methods.

Led by Dr. Thomas Jackson of the U.S. Department of Agriculture (USDA), Soil Moisture Experiments in 2003, or SMEX03, is a collaboration between NASA, the USDA's Agricultural Research Service, the Brazilian Agricultural Research Corp., several academic institutions across the United States, and the Center for Hydrology, Soil Climatology, and Remote Sensing (HSCaRS) of Alabama A&M University in Huntsville — a NASA-sponsored Minority University Research Center that promotes minority and women student involvement in Earth science research.

There are three phases to the project's field operations, which began June 22 in Huntsville. The project gathered data from Alabama and Georgia through July 2, moved to Oklahoma to collect data until July 19, and will finish in Brazil Sept. 16-26.

“By gathering comprehensive soil moisture data from space, air and land, we hope to better understand how these



Photo by David Higginbotham, NASA/Marshall Center

Part of the soil moisture experiment field research includes using NASA's P-3B aircraft equipped with remote sensing technology developed for the space program. Looking at data on the aircraft are, from left, Dr. Valery Zavorotny of the National Oceanographic and Atmospheric Administration's Environmental Technology Lab in Boulder, Colo.; Linda Cornett, manager of the field laboratory for Alabama A&M University in Huntsville; and Karnita Golson, an Alabama A&M graduate student.

measurements correlate and how this information can help farmers, weather forecasters and others who depend on Mother Nature for their livelihood, said Dr. Charles Laymon, a hydrologist and remote sensing scientist with Universities

Space Research Association at the Global Hydrology and Climate Center (GHCC) in Huntsville.

An improved understanding of moisture in the soil, for example, could ultimately aid irrigation efforts — a costly proposition for most farmers. Armed with better soil moisture information, farmers could save crops by irrigating when and precisely where necessary, or save money by refraining from irrigation when it's not needed. This is important, Laymon said, because simple ground-based observations don't always tell the whole story. That's why scientists leading the Soil Moisture Experiments in 2003 will look skyward for much of their data.

Aqua, a NASA satellite launched in May 2002, will fill in part of the puzzle. Orbiting about 430 miles above Earth, its sensors collect information about Earth's water cycle — including water vapor in the atmosphere, clouds, precipitation, and snow and ice cover. The Advanced Microwave Scanning Radiometer for Earth Observing Systems, or AMSR-E — along with AMSR, a Japanese

Photo by Terry Leibold, NASA/Marshall Center



Pulling canisters of soil from an oven that removes moisture are, from left, Dr. Ashutosh Limaye, a global hydrologist with Universities Space Research Association at the Global Hydrology and Climate Center in Huntsville; Niclaos Almonor of Florida State University in Tallahassee, Fla.; Chris Davis of Alabama A&M University in Huntsville; and Ross Laymon of Catholic High School in Huntsville.

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# Marshall Center, AIAA, sponsoring space propulsion conference in Huntsville

by Grant Thompson

**M**ore than 2,500 leading space propulsion engineers, scientists and administrators will converge in Huntsville next week to share ideas and discuss the role of aerospace research and technology in enabling global commerce and scientific discovery in years to come.

The Marshall Center, in conjunction with the American Institute of Aeronautics and Astronautics, will hold the 39th Joint Propulsion Conference and Exhibit at the Von Braun Center July 20-23. The event is organized by AIAA, the American Society of Mechanical Engineers, the Society of Automotive Engineers and the American Society of Engineering Education.

“With the Marshall Center’s rich history of propulsion research and flight vehicle development in Huntsville, our involvement in the conference is a natural fit,” said Robert Sackheim,

assistant center director and chief engineer for space propulsion. Sackheim, the technical co-chair for the propulsion conference, added: “The opportunity to gather and share ideas with other researchers from around the world will provide us insight into the next step of space travel.”

Some of the propulsion technologies to be discussed during the conference’s technical workshops and discussions may hold the key to long-term space exploration in the near future. Panel sessions include a “town hall” meeting on propulsion; a session on fostering international cooperation in space travel; and a discussion on the use of nuclear and electric propulsion for long-term space travel.

“I am pleased that the Joint Propulsion Conference will be held in Huntsville this year,” said Huntsville Mayor Loretta Spencer. “Propulsion is of special significance to our city because of the leading role played by the Marshall Center in the advancement of propulsion technology

and its role in future space transportation. I look forward to being a part of this important conference.”

The three-day event kicks off Sunday, July 20, at 6:30 p.m. with a reception in the lobby of the South Hall of the Von Braun Center. On Monday, July 21, at 8 a.m., a joint keynote address will be delivered by former Marshall Center Director Art Stephenson; Maj. Gen. Larry Dodgen, Commander, U.S. Army; Lt. Gen. Joseph Cosumano, Commander, U.S. Army; and Col. David Eichhorn, Commander, U.S. Air Force. The event’s annual AIAA Awards Luncheon will be Tuesday, July 22, at noon.

For a complete conference agenda or for additional information, go to <http://www.aiaa.org>.

*The writer, employed by ASRI, supports the Media Relations Department.*

## Soil

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National Space Development Agency instrument, are the instruments scientists hope can provide information about soil moisture.

A challenge, Laymon said, will be taking the “big picture” offered by AMSR-E and filling in the gaps. “AMSR-E was designed primarily to monitor oceans and polar ice,” he said. “So the sensor provides a very broad view of terrestrial soil moisture. To get a more detailed look at soil moisture,

GHCC scientists will use mathematical algorithms to fine-tune AMSR-E’s results, and more importantly, correlate the satellite data to measurements gleaned by airborne instruments in the sky and by people on the ground.”

The research aircraft are NASA’s P-3B, a four-engine turboprop, and DC-8, a four-engine jet. Equipped with a suite of remote sensing instruments developed for airborne observations in support of satellite validation, they will document patterns of surface moisture by measuring microwave energy in units of brightness temperature and power reflected off the surface.

On the ground, teams of scientists, college students and volunteers – rain or shine — will disperse into the countryside daily, taking measurements that include soil moisture and temperature, ground cover type and plant height.

“The students have an opportunity to get hands-on experience in field research as well as laboratory analysis of soil samples,” said Dr. Tommy Coleman, director of HSCaRS at Alabama A&M. “It also gives them perspective on how to approach research tasks in an orderly fashion.”

One student volunteer is Lakesha Fowler, a junior from Alabama A&M University. A civil engineering major who eventually wants to plan cities and communities, Fowler will spend two weeks sampling soil at several rural sites near the Alabama-Tennessee state line. “I hope to gain more knowledge about soil and its water content,” she said. “This project will give me insight that’s difficult to gain in a classroom.”

*The writer, an employee of ASRI, supports the Media Relations Department.*

# Job Announcements

**MS03C0123**, AST, Reliability & Quality Assurance. GS-0861-14, Safety and Mission Assurance Office, SR&QA Policy, Assessment and Integration Department. Competitive Placement Plan. Closes July 18. Contact: Rita Evans-McCoy at 544-7507.

**MS03C0124**, AST, Engineering Project Management. GS-801-15, Engineering Directorate, Materials, Processes & Manufacturing Department. Closes July 21. Contact: Rita Evans-McCoy at 544-7505.

**MS03D0128**, Delegated Examining Unit, Management Support Assistant (OA), Term Appointment. GS-0303-06, Duty location in Brigham City, Utah. RSRM Resident Office, Reusable Solid Rocket Motor Project, Space Shuttle Propulsion Office. Closes July 18. Contact: Edwina Bressette at 544-8115.

**MS03N0129**, Aerospace Engineer, Space Transportation Directorate, High Powered Propulsion Systems Office. Closes July 22. Contact: Jim Bramblett at 544-3398.

**MS03N0130**, Aerospace Engineer. GS-0861-13, Space Transportation Directorate, High Powered Propulsions Systems Office. Closes July 22. Contact: Jim Bramblett at 544-3398.

**MS03N0131**, Aerospace Engineer. GS-0861-13, Space Transportation Directorate, Subsystem & Component Development Department, S&CDD/Functional Design Group. Closes July 22. Contact: Jim Bramblett at 544-3398.

**MS03C0133**, AST, Aerospace Flight Systems. GS-0861-14, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0134**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03C0135**, Management Analyst. GS-0343-07, Office of the Chief Financial Officer. Closes July 22. Contact: Dana Blaine at 544-7514.

**MS03N0136**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0137**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0138**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0139**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0140**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0141**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0142**, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03N0143**, AST, Aerospace Flight Systems. GS-0861-13, Systems Management Office, Integrated Systems Engineering & Analysis Office. Closes July 23. Contact: Carolyn Lundy at 544-4049.

**MS03C0144**, AST, Engineering Project Management. GS-0801-13, Second Generation RLV Program Office, Architecture Definition Office. Closes July 21. Contact: Patricia Caraway at 544-7755.

**MS03C0145**, AST, Aerospace Flight Systems. GS-0861-13, 14, Science Directorate, Space Flight Experiments Group-SD21, Science Systems Department. Closes July 24. Contact: Debbie Longeddy at 544-2308.

**MS03N0146**, AST, Liquid Propulsion Systems. GS0861-13, Space Transportation Directorate, Subsystem & Component Development Department, S&CDD/Functional Design. Closes July 24. Contact: Jim Bramblett at 544-3398.

**MS03C0147**, Program Analyst. GS-0343-07, Science Directorate, Business Management Office. Closes July 25.

Contact: Debbie Longeddy at 544-2308.

**MS03C0148**, AST, Aerospace Flight Systems. GS-0861-14, Engineering Directorate, Engineering Technology Development Office. Closes July 25. Contact: Rita Evans-McCoy at 544-7507.

**MS03C0149**, Lead, AST, Reliability and Quality Assurance. GS-0861-14, Safety and Mission Assurance Office, Shuttle Assurance Department. Closes July 21. Contact: Rita Evans-McCoy at 544-7507.

**MS03C0150**, Lead, AST, Reliability and Quality Assurance. GS-0861-14, Safety and Mission Assurance Office, Shuttle Assurance Department. Closes July 21. Contact: Rita Evans-McCoy at 544-7507.

**MS03C0151**, Lead, AST, Reliability and Quality Assurance. GS-0861-14, Safety and Mission Assurance Office, Shuttle Assurance Department. Closes July 21. Contact: Rita Evans-McCoy at 544-7507.

**MS03N0152**, AST, Engineering Project Management. GS-0801-14, Space Transportation Directorate, High Powered Propulsion Systems Office at Jet Propulsion Laboratory in Pasadena, Calif. Closes July 28. Contact: Jim Bramblett at 544-3398.



Photo by Doug Stoffer, NASA/Marshall Center

## Who Am I?

Dr. Amanda Goodson is the director of Marshall's Safety and Mission Assurance Directorate. She loves math and talking to children about pursuing their dreams. She and her husband, Lonnie, have two children.

# Center Announcements

## Chandra X-ray Observatory Symposium set for September

The Chandra X-ray Observatory Program will host a three-day symposium Sept. 16-18 at the Huntsville Marriott. For more information, go to <http://mi.msfc.nasa.gov/chandra/index.html> or call 544-5468 or 544-0570.

## Marshall Association scholarship applications due July 31

The Marshall Association will award two college scholarships to dependents of Marshall employees or retirees in August. A technical and a non-technical scholarship will be awarded to incoming September freshmen. The association will accept applications until July 31. To receive or submit a completed application form, call Cliff Bailey at 544-5482.

## Disabilities awareness training mandatory for Center employees

Disabilities Awareness Online Training is a mandatory course for all Marshall civil service employees. The course is designed to heighten awareness and knowledge of regulatory requirements under the Rehabilitation Act and to help employees understand special needs of disabled co-workers. The training must be completed by July 31 and is available at <https://solar.msfc.nasa.gov>. After accessing the SOLAR Web site, click on "Training Disciplines" and then go to "Human Resources."

## Marshall Retirees Association offering university scholarship

Students who are direct descendants of a Marshall Center retiree can apply for the NASA-MSFC Retirees Association Scholarship at the University of Alabama in Huntsville. The \$1,000 scholarship will be awarded for the academic year beginning in the fall. For more information, call UAH Financial Services at 824-2755.

## Marshall Child Development Center accepting applications

The Marshall Child Development Center is accepting applications for

its waiting list. Eligible children include those of NASA employees, retired NASA employees, NASA contractors and grandchildren of NASA employees. A \$15 fee is charged to be placed on the waiting list. The center accepts children aged 6 weeks-5 years or until entering kindergarten. Operating hours are 6:45 a.m.-5:45 p.m. weekdays. For more information, go to <http://mcdc.msfc.nasa.gov> or call Kelli Brott at 544-8609.

## HOPE Place golf tournament will be Aug. 23

The HOPE Place Classic golf tournament to benefit victims of domestic violence will be at 8 a.m. Aug. 23 at both the Highland and River golf courses at Hampton Cove. Cost is \$150 per player for the four-person scramble tournament or \$600 per team. For more information, call Sharon Tyson at 885-1739.

## Shuttle Buddies meet July 28

The Shuttle Buddies will meet at 8:30 a.m. July 28 at the Clock Towers restaurant on South Memorial Parkway in Huntsville. For more information, call Deemer Self at 881-7757.

## U.S. Rep. Bud Cramer to speak at annual 'Washington Update'

The annual Huntsville-Madison County Chamber of Commerce "Washington Update" will be at noon July 30 in the North Hall of the Von Braun Center. U.S. Rep. Bud Cramer will speak. Tickets cost \$27. Reservations are due July 24. Call Rosa Kilpatrick at 544-0042 for more information.

## Expedition Six crew to visit Marshall Center July 24

Expedition Six Cmdr. Kenneth D. Bowersox and International Space Station Science Officer Donald R. Pettit will visit the Marshall Center July 24. They will present highlights from their 161-day stay aboard the Space Station, sign autographs and present Silver Snoopy awards. Event times will be announced on "Inside Marshall."

## Export control classes available

Classes for the six export control processes at the Marshall Center will begin Thursday. Participants should register through AdminSTAR. For a complete list of classes and times, see "Inside Marshall."

## Honor Award ceremonies set for July 29

The annual Honor Award ceremonies will be July 29 in Morris Auditorium. William F. "Bill" Readdy, associate administrator for the Office of Space Flight at NASA Headquarters, and Marshall Director David King, will present the awards to team members who have made significant contributions to the space program. Agency awards will be presented at 10 a.m. Marshall awards will be presented at 2 p.m.

## PEP survey is mandatory for Marshall team members

All on-site Marshall team members are required to complete the annual Performance Evaluation Profile survey by July 31. Before taking the survey, read the overview and complete the training module on Marshall's Safety, Health and Environmental program elements at [https://msfcsma3.msfc.nasa.gov/she/pep/int\\_she.htm](https://msfcsma3.msfc.nasa.gov/she/pep/int_she.htm). Obtain a control ID number from your designated organizational representative and go to <http://pep.nasa.gov/> to complete the survey. For assistance, call Kristie French at 544-7474.

## NASA Ski Week set for January 2004

The 13th annual NASA Ski Week will be in Steamboat, Colo., Jan. 24-31, 2004. Skiers from nine NASA centers will participate for winter sports and camaraderie at the 3,000-acre resort. All Marshall team members, retirees and family members, are eligible to participate. For more information, call 233-0705 or e-mail [tom.dollman@nasa.gov](mailto:tom.dollman@nasa.gov).

# Classified Ads

## Miscellaneous

- ★ Six PVC pipe deck/pool chairs, blue/white stripe cushions, round table, extra cushions, \$110. 772-1974
- ★ Macintosh G4-1GHz, 120GB HD, 640MB RAM, DVD-RW, Zip, OS10.2 Powerlogix AGP upgrade, \$800. 881-7750
- ★ Yamaha Clavanova Model 203,new, full 88 keys, \$3,700. 772-8744
- ★ Titanium drivers; Mizuno 9-degree, Pro-Gold 65 stiff shaft, \$70. Elipise, 9-degree, Graffaloy Pro-Lite, \$90. 851-7406
- ★ IBM Aptiva PC w/monitor, AMD K-6/2, 350MHz, 128Meg RAM, 8GBHD, CDROM, 56K modem, \$175. 881-8674
- ★ Magic Chef dishwasher, 12-13 yrs. old, \$40 obo. 837-1551
- ★ John Deere 2003 lawnmower, GT235, 18HP, Hitrostat, cruise, 48" deck, 235 hrs., warranty, \$3,100. 256-777-6288/732-3427
- ★ Maytag washer & dryer, XL capacity, almond color, \$150 ea. or \$225 for pair. 353-9339
- ★ Bayliner "Capri" boat, 15', trailer, 50HP outboard motor, motor needs work, \$950. 325-2919
- ★ Murray lawn tractor, 12HP, 38" cut with grass catcher, \$300. 883-8194
- ★ Two-child stroller, one behind other, dark blue; diaper changing table, white, \$45 each. 256-739-9775
- ★ Treadmill, \$350; Hardwood flooring, \$35 per box; Kingsize waterbed and waveless mattress, \$150. 837-2223
- ★ Twin-size daybed, mattress, bedspread w/ matching cushion, pillow and sheets, \$100. 533-4824
- ★ Wedding gown and veil, size 6, \$300. 883-5454
- ★ Eight yellow French Faience Salin Les Bains salad plates/saucers & 7 coffee cups. 882-6832
- ★ Ping pong table, \$100. 353-3229
- ★ H2Oreck sink top water purifier, unused, w/ four filter cartridges & two charcoal filters, \$35. 828-6213
- ★ Pink Mikasa crystal glasses, wine, champagne, \$5 each; gray Army desk, \$20. 837-5113
- ★ Well-lined leather jacket, used, size 44, \$40. 881-0883
- ★ Olympic weight set w/four extra 10 lb. plates & curl bar, \$100. 489-1275
- ★ Medela dual electric breast pump, car

- adapter and case included, \$150. 829-0228
- ★ K6-400mhz AMD w/floppy, CDROM, 64MB-RAM, 8GB-HD, keyboard, speakers, mouse, 15" monitor w/glare screen, \$325. 256-738-3418
- ★ Jenny Lind baby bed, complete bedding including mattress, \$125; Two exercise bikes, \$75; \$100. 852-5238
- ★ Bear Recurve bow, 30#-66" with sight, quiver, arrow case, \$135. 830-1060
- ★ 1995 Yamaha Waverider, cover/trailer, garage kept. 256-737-9492
- ★ New ProtecTV filter to screen out unwanted bad language on TV, \$50. 489-0136
- ★ Queen waterbed on 8-drawer pedestal, mattress & cover, heater, cushioned bedrails, \$275. 882-9808
- ★ Kustom bass guitar amplifier. Head only, no speaker. 60-watts. Old but works. \$50. 306-0700.

## Vehicles

- ★ 2002 Honda Civic LX, 4D, auto, all-power, CD player, 19K miles, \$12,900. 233-4474
- ★ 1997 VW GTI, black, 61K miles, 5-speed, new tires, sunroof, under warranty, \$6,500. 216-5873
- ★ 2002 Mazda B2300, red, a/c, 16K miles manual shift, \$8,500. 256-830-8934
- ★ 1998 Ford Ranger XLT, 4-cyl., automatic, 67K miles, bedliner, dual air bags, CD, \$4,950. 256-753-2278
- ★ 1997 Nissan Maxima SE, 4-door, 82K miles, pearl white, 16" rims, automatic, AM/FM/CD, \$9,790. 881-8674
- ★ 1995 Ford Explorer, Eddie Bauer, leather, 4-wheel ABS, alloy wheels, CD/Alpine, privacy glass, \$6,315. 880-6563
- ★ 1969 Chevy Caprice, all-original, PS/PB/PW/PS, one-owner, many extras, \$9,500. 883-6416
- ★ 1997 Pathfinder, 83K miles, 4WD, 5-speed, leather, loaded, moonroof, \$9,400. 325-6090
- ★ 1998 Dodge SLT Laramie, 4x4, V8, 5.9, quad-cab, 91K miles, bed liner, \$11,500. 256-729-0024
- ★ 2003 Jeep Liberty Limited, all-power, 4-door, shale green, original warranty, 10K miles. 355-0248
- ★ 2000 Ford Contour, 4-door, 61K miles, power, auto, a/c, am/fm cassette, cruise, \$8,500. 256-746-8289
- ★ 1995 Dodge Caravan SE, automatic, 162K miles, blue w/gray interior, V6, \$2,500. 256-880-3337

- ★ 1991 Mitsubishi Montera SUV, V6, 4WD, new tires, tow hitch, alarm, all-power, \$3,500. 658-5855
- ★ 1998 Ford Explorer Limited, 4x4, 73K miles, loaded, moonroof, one-owner, \$11,500. 653-9124
- ★ 1983 S15 Jimmy, rebuilt motor and auto transmission, 2WD, tow package, \$1,500. 882-0055/527-9073
- ★ 1997 Dodge Intrepid ES, red w/gray interior, loaded, sunroof, tinted glass, 122K miles, \$4,950. 971-0707
- ★ 1999 Chrysler Concorde, maroon/gray interior, 65K miles, V6, auto, 100K mile warranty, \$8,800. 882-0055/527-9073
- ★ 1999 Ford Ranger XLT Sport, supercab, 4-door, 6-cyl., cruise, pwr windows/locks, bed cap, \$8,300. 859-0729
- ★ 1984 Toyota Camry, new transmission, 164K miles. 461-9182
- ★ 1987 300ZX, 2+2, 100K miles, red, \$2,000. 828-5246
- ★ 1987 Nissan Maxima, loaded, new a/c and tires, one-owner, sunroof, garaged, \$3,000 firm. 883-6416
- ★ 2001 Isuzu Rodeo LSE, 2WD, all-power, leather, loaded, 38K miles, \$15,000. 256-829-1296

## Wanted

- ★ Two five-drawer filing cabinets in good condition. 651-7640
- ★ Slide rule. 256-828-6551
- ★ Anthony Robbins, any tapes/CDs and manuals, Personal Power and Personal Power II, etc. 256-852-7633
- ★ Older laptop, 486 or Pentium. 256-739-9775
- ★ "Saturn Illustrated Chronology" (MSFC MHR-5) in good condition. 922-1424
- ★ Minibike or minibike frame, 60s or 70s vintage, running or not. 883-9875

## Free

- ★ Pine poles and logs suitable for pole building and/or cutting into boards. 881-6040
- ★ Lab mix, 6 month female. 883-2638
- ★ Antique piano to non-profit organization. 721-9107

## Found

- ★ Ladies earring, Bldg. 4200 Parking Lot. Call 544-3623 to claim/identify

# MARSHALL STAR

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