



MARSHALL STAR

Serving the Marshall Space Flight Center Community

July 25, 2002

Marshall employees, families invited to Space Station flyover event Friday

Marshall News Release

On Friday, July 26, Marshall employees and their families – as well as the public – will have a special opportunity to view, celebrate and learn about the International Space Station as it flies over Huntsville.

The event is from 8 to 9:30 p.m. at the National Space Science and Technology Center (NSSTC) at 320 Sparkman Drive in Huntsville.

The Space Station flyover event features a special audio message to Huntsville from Space Station crew member Peggy Whitson, who is currently living and working aboard the International Space Station.

In addition, NASA and other speakers will give onlookers a tour of the night sky, discuss the Space Station, and point out the Station itself when it glides overhead. Literature, handouts and other NASA, Space Station and science-related items will be available.

The third brightest object in the nighttime sky, the International Space Station orbits the Earth 16 times a day and passes over the same area several times each month. The Station actually passes over Huntsville 10-20 times each month but is only visible three-to-five times during its monthly visits. The majority of these passes occur when the Station is difficult to see — daytime or when many people are asleep.

The NSSTC is located between Bradford and Lakeside Drive. Attendees should enter the event from Lakeside Drive.

No reservations are needed, and attendees are encouraged to bring lawn chairs or blankets. Although the Space Station is visible to the unaided eye, attendees are welcome to bring binoculars or telescopes to enhance their viewing.

The event is sponsored by the NSSTC, the Marshall Center, the University of Alabama in Huntsville, and the Von Braun Astronomical Society in Huntsville.

Decatur honor student awarded NASA scholarship

by Grant Thompson

Pooja Aggarwal, a Decatur honor student, has been awarded a NASA 2002 Engineering & Science Scholarship.

Aggarwal is the daughter of Pravin and Prabha Aggarwal of Decatur. Pravin is a team leader in the Structures Mechanics and Thermal Department in the Engineering Directorate at Marshall.

Aggarwal, the valedictorian of her 2002 graduating class of 252 students at Austin High School in Decatur, has received a \$2,000 annually renewable grant from the NASA College Scholarship Fund Inc.

The fund, established in 1982 and based at Johnson Space Center in Houston, awards grants to dependents of current and former NASA employees. To qualify, applicants must be pursuing a course of study in a science or engineering field at a college or university within the United States,

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NASA College Scholarship recipient Pooja Aggarwal, center, with parents Pravin, left, and Prabha, right.

Photo by Emmett Given, NASA/Marshall Center



Stephenson outlines Marshall Response to President's Management Agenda

by Mike Wright

Editor's Note: This is the first in a series of Marshall Star articles on "The President's Management Agenda." This article examines the document overall. Marshall Director Art Stephenson encourages all team members to embrace the Agenda. In coming issues, the Star will publish articles on the individual initiatives within the document and on the section entitled "Freedom to Manage."

Government likes to begin things — to declare grand new programs and causes. But good beginnings are not the measure of success. What matters in the end is completion. Performance. Results."

That's how President George W. Bush has introduced a new document called "The President's Management Agenda," a bold strategy for improving the management and performance of the federal government.

Marshall's Customer and Employee Relations Directorate (CaER) recently posted the document on the "Inside Marshall" Web site under "Manager's Resources." And, Center Director Art Stephenson is encouraging every member of the Marshall team, civil service and contractor, to read it and embrace it.

The President launched the Management Agenda to "address the most apparent deficiencies where the opportunity to improve performance is the greatest." Working with the President's Management Council, the Office of Management and Budget has developed standards for success in each of the five government-wide initiatives. The document also includes a section entitled "Freedom to Manage."

The five major initiatives are:

Strategic Management of Human Capital - "This is really to better utilize our human capital and to address our core competencies within each center and across NASA to understand what is core and what is not and how are we going to deploy our resources optimally to do the job we have," Stephenson said. CaER Director Tereasa Washington is serving on teams both at Marshall and at Headquarters to address this topic.

Competitive Sourcing - This relates to examining activities to ensure optimum performance. Some people initially equated competitive sourcing with downsizing NASA, Stephenson said. "That's not what it's about. Sean O'Keefe made that clear.

What it's about is how we can best do our mission. Do we do it with civil servants in this area or do we do it with contractors? And, we've been downsizing for a long time, hopefully making good decisions around what should be done by contractors. The question is should we go further in moving work from civil service to contractors or, as Sean would say, should we take some work back from contractors and do it with civil servants," Stephenson said. The cost and quality of performance of Center activities will be compared, and in some cases competed with comparable activities. Marshall Deputy Director Jim Kennedy is leading the Center on defining what those jobs are. Procurement Director Steve Beale is leading the competitive sourcing team at Marshall.

Improved Financial Performance - "This really comes down to IFMP (the Integrated Financial Management Program). The key is to get our core financial product up and running. The agency looks to this Center to come out with a financial management system that is equivalent to what industry has had for years. Marshall's Chief Financial Officer Dave Bates is leading the Center's team on Improved Financial Performance.

Expanded Electronic Government - "Obviously we are in the modern age of electronic tools and we ought to maximize our use of these. We need to standardize more things across the agency," Stephenson said, adding that Sheila Cloud, director of the Center Operations Directorate, is leading the Marshall Expanded Electronic Government Team. Marshall is supporting the NASA Information Systems Services Utility, the One NASA e-mail initiative and the One NASA smartcard initiative. Marshall is also pursuing a Center-wide IT solution which is common across the Agency for Product Data Management and is designed to facilitate a true paperless engineering capability.

Budget and Performance Integration - This initiative says that "as we spend the money, what are the metrics that we can apply to how we spend that money and prove that we do what we say we do consistent with our excellence value," Stephenson said. Bates is also leading the Budget and Performance Integration Team.

Freedom to Manage - The section addresses limitations that federal managers face in using the financial and human resources

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Student

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and carry a grade point average of at least a 2.5 on a 4.0 scale during their high school career.

Pulitzer Prize-winning author James A. Michener established the fund through an unsolicited gift in admiration of NASA's support of education in this country. Since 1982, 103 scholarships have been awarded to NASA dependents. Currently, 27 students are receiving aid through the program.

Aggarwal will study this fall at the University of Alabama in Birmingham, where she will major in the pre-medicine program.

Aggarwal's high school years were marked by many successes, including a 4.0 grade point average throughout her

four years. She took numerous honors classes and advanced placement math and science classes. Her academic awards included the Youth Leadership Award for Alabama in 2000, the American Legion Oratorical Award, the Imagination Creativity Award for work in the dramatic arts, and membership in the National Honor Society.

Outside the classroom, Aggarwal was an active member of the Austin student body. She served as vice president and secretary of the student body, president of the Spanish Club and student representative on the school accreditation committee. Her other in-school activities included the Art Club, Key Club, math team, Scholars Bowl and membership on the varsity tennis team.

Aggarwal also served in her community. She was the Youth Leadership Ambassador for the state in her sophomore year and took part in the 2000 summer research program at the University of Alabama in Birmingham Medical Center. She was also involved in Habitat for Humanity, the Morgan County Youth Leadership Camp, and showed some of her original artwork in local hospitals and television station studios.

For more information and contacts for the NASA College Scholarship Fund, contact the NASA College Scholarship Office at (281) 483-7463.

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

Agenda

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provided to them to manage their programs. These limitations leave them without the discretion given to their private sector counterparts to do what it takes to get the job done. "Sean O'Keefe is very serious in saying that we ought to get rid of those things that we do that don't make sense. We ought to change the way we do business if there is a better way to do it," Stephenson said, noting that a link to a Marshall Freedom to Manage Web site has been established on "Inside Marshall."

Kennedy is leading "Freedom to Manage" at Marshall.

An Executive Branch Management Scorecard will be used to show both how well a department or agency is executing the five management initiatives and where it scores at a given point in time against the overall standards for success. The scorecard employs a simple grading system: green for success, yellow for mixed results, and red for unsatisfactory. There will be two sides of the scorecard: current status against the standards for success, and progress in implementing the initiatives.

Stephenson relates the President's Management Agenda to success. "Success is the progressive realization of a worthy goal. President Bush is willing to make us green if we are progressing at the right rate to get to that worthy goal, which he has clearly established in all five of these areas."

The writer is the Marshall Center Historian.

Energy Tip

Up to 85 percent of energy used for washing clothes is for heating water. Switching the temperature setting from hot to warm can cut a load's energy use in half. Unless you're dealing with oily stains, warm or cold water will generally do a good job of cleaning clothes.

O'Keefe: 'Break the rules'

'Freedom to Manage'

I want to challenge all of our NASA colleagues to "break the rules."

Examine your daily routines and business practices. Are you aware of outdated or ineffective activities within our Agency? If we can remember why a rule was instituted, and the rule gets in the way of good management, it's time to change the rule.

The President's "Freedom to Manage" initiative provides a mechanism for reforming management practices and capabilities of the Government.

"That is the way we've always done it" isn't a good enough answer. Some changes at NASA are already occurring. We are all professionals, and we should treat each other with the same level of respect, so we're trying to change policies that don't advance that professionalism.

The time and attendance sheets are undergoing changes, and all of the NASA Centers will now accept any Center badge as valid for entrance. We need to use our resources, both human capital and financial capital, properly and effectively.

Please, contact your Center Directors and managers with your ideas for reform, and, if you feel like your idea is not getting the attention it deserves, send your comments to the F2M Web site: f2m.nasa.gov

Together, we will break down the barriers within our Agency and create an environment that is results oriented and performance based. One NASA.

— Sean O'Keefe
NASA Administrator

Engineering Directorate picnic honors employees' accomplishments

On July 17, more than 200 Engineering Directorate team members were recognized at their annual Awards Celebration and picnic for outstanding contributions.

Categories included technology achievement, group achievement and customer service.

In addition, Peer Awards were given to individuals selected by co-workers for dedicated excellence.

Technology Achievement Awards

Advanced Avionics Architecture: David A. Gwaltney/ED17.

Advanced Cryotanks: Jeffery Scotty Sparks/ED34.

Advanced Manufacturing for Space Transportation Systems: Robert J. Ding/ED33.

Advanced Structures and Materials: Marcus W. Gregg/ED22, Preston B. McGill/ED33, Gregory R. Swanson/ED22, Douglas N. Wells/ED33.

Space Environmental Effects: William C. Blackwell/Sverdrup, Joseph I. Minow/Sverdrup, Wesley R. Swift/Raytheon.

Group Achievement Awards

Automated Rendezvous & Capture Team: Michael L. Book/ED19, Linda L. Brewster/ED19, Thomas C. Bryan/ED19, Richard T. Howard/ED19, David L. Kelley/ED19, Leslie Murphy/ED19, Fred D. Roe Jr./ED19.

Contact Dynamics Simulation (Six Degrees of Freedom) Team: Ronnie Francis/BD Systems, Jim Haywood/ARCATA, Ashley Hill/Dynamic Concepts, Robert Linner/ED19, Chad Rutherford/BD Systems, Scott Sharp/BD Systems, Mark Slone/ED19, William Sutton/ED19, Pat Tobbe/Dynamic Concepts.

Engineering Directorate Directives Applicability Team: William C. Baker Jr./ED02, Wendell R. Colberg/ED30, John C. Davis/ED10, Jim J. Lindsay/ED20, Lisa O. Luna/ED01, Karen C. McTaggart/ED03, Daniel P. Mellen/ED41, Nance-Jo Ogozolek/ED33, Terry S. Roberts/ED16, Charles H. Shivers/ED43.

Engineering Directorate Outreach Team: Majid K. Babai/ED34, Gayle Brown/USRA, Joseph L. Butler/ED19, Wendell R. Colberg/ED30, Miria M. Finckenor/ED31, Maninderpal S. Gill/ED41, Michael V. Herston/ASRI, Sally A. Little/ED40, Sandra May/CSC, Daniel P. Mellen/ED41, Mary D. Spaulding/ED02, Karen L. Stephens/ED03.

Engineering Directorate Technology Thrust Area Leadership Team: Melvin R. Carruth/ED30, Kenneth S. Clifton/ED03, Jimmy L. Miller/ED10, Melinda W. Niedermeyer/ED34, Steven D. Pearson/ED03, Patrick R. Rogers/ED22, Andrew Smith/ED20, Karen L. Stephens/ED03, Robert M. Suggs/ED44, John H. Vickers/ED34.

Integrated Engineering Capability Team: Majid K. Babai/ED34, Tim Baldridge/AD34, Jeffrey Brown/ED16, Portia B. Dischinger/AD31, Jeffrey L. Finckenor/ED23, Jena M.



Photos by Emmett Given, NASA/Marshall Center

Wade Batts leads the crowd in singing "God Bless America" with, from left, Bill Kilpatrick, director of the Engineering Directorate, David Throckmorton, ED deputy director and Marshall Center Deputy Director Jim Kennedy.

Hughey/ED43, Jeannette Ransom Johnson/AD34, Barron Q. Musick/ED02, Ronald L. Newby/ED19, Mark K. Smith/ED10, Richard T. Stroud/TD62.

Marshall Management System Leadership Team: Margaret B. Alexander/ED44, Wayne R. Gamwell/ED33, John C. Garrison/ED27, Richard D. Lamb/ED37, Patricia A. Layky/ED12, Jim J. Lindsay/ED20, Karen C. McTaggart/ED03, Terry S. Roberts/ED16, Charles H. Shivers/ED43, Richard T. Wegrich/ED35.

Solid Rocket Booster (SRB) Bolts Testing Team: John D. Allen/ED38, Don Bates/Sverdrup, Ed Billingham Jr./ED37, Reese Eidson/CSC, Chris Harbin/ASRI, Gregory A. Lackey/ED27, Jerald D. Oakley/ED27, Victor I. Richard Jr./ED22, Gregory A. Tanner/ED27, Emanuel J. Walker Jr./ED23, Ricky L. Wilbanks/ED27, Charles E. Wilkerson/ED27.

Space Launch Initiative (SLI) Permeability Team: Scott Andrews/ERC, Greg Belue/ASRI, Brandon Benson/ICRC, W. B. Clifton/LMC, Dani Davis/LMC, Tony Day/ATK, Harold Ellett/ERC, Erich Engler/Morgan Research, Douglas S. Fox/ED22, Larry French/Griffon Aerospace, Ricky Goodwin/ERC, Benny F. Graham/ED33, Keith Hastings/ERC, Andrew J. Hodge/ED34, Brian Hurless/IITRI, Matthew Jackson/IITRI, Bob Jacobs/ICRC, Allen Kinworthy/Morgan Research, Frank E. Ledbetter/ED34, Scott Lukens/Sverdrup, William Malone/ERC, Charles A. Meyers/ED22, Randy Millwood/ERC, Alan T. Nettles/ED34, James Newton/ASRI, Stanley T. Oliver/ED22, Michael E. Prince/ED34, Rory Reese/LMC, Stephen W. Richardson/ED23, Samuel S. Russell/ED32, Shawn A. Selvidge/ED34, Andrew W. Smith/ED20, Jeffery Scotty Sparks/ED34, Craig Stafford/Morgan Research, Paul E. Thompson/ED23, James L. Walker/ED32, Mike Watwood/ERC.



Ronnie Renfroe, left, one of the award recipients, is directed to his correct seating by volunteers Cindy Lemaster, center, and Pam Smith, right.



Dr. N. Jan Davis, director of Marshall's Flight Projects Directorate, announces the Customer Service Award.



Karen Stephens, left, shares some laughs with Tom Bryan, center, and Fred Roe, right, before the ceremonies.

Peer Awards:

Bruce Askins/ED38, Brenda Bailey/ED41, Ken Bauer/PWI, John Bedford/ED37, Jerry Bennich/ASRI, Pat Benson/ED14, Linda Brewster/ED19, Ron Brooks/Intergraph, Joel Clark/Microcraft, Tony Clark/ED44, Stu Clifton/ED03, Todd Cline/Sverdrup, Mark Coffman/ED19, Robert Currie/ED12, Darrell Davis/ED25, John C. Davis/ED10, Scott Dennis/Boeing, Mariea Dunn/ED42, Kenneth Dutton/Madison Research, Teddy Edge/ED11, Jeff Farmer/ED25, Miria Finckenor/ED31, Eric Folk/Sverdrup, Mike Frazier/ED34, Todd Freestone/ED18, Charles Gamble/ED16, Susan Gholston/ICRC, Ed Gollop/ Pace & Waite, Mark Grindle/Sverdrup, Chris Harbin/ASRI, James Harper/ED16, Amy Hemken/ED43, Carlla Hooper/ED30, Charles Hutton/Infinity, Tony Iles/Sverdrup, Lorna Jackson/ED15, James Jensen/ASRI, Yvette Johnson/ED14, Andy Johnston/Sverdrup, Carl Justus/CSC, Anthony Kelley/ED12, Kirby Lawless/ED33, Jeff Leak/ED32, George Leath/PWI, Jim Lindsay/ED20, Clovis Malmede/ED42, Jack Matheny/Sverdrup, William McMahan/ED34, Mike Mitchell/ED35, Robin Moore/ICRC, Paul Paseur/LMC, Rick Phillips/Qualis, Wesley Phillips/ASRI, Ronald Renfroe/ED33, Erin Richardson/ED36, Stephen Richardson/ED23, Ed Ricks/ED21, Brenda Sands/ED23, Charlotte Shea/Qualis, Wade Short/Sverdrup, Phyllis Smith/ED17, Steve Smith/CSC, Daniel South/ODIN, Paul Storey/CSC, Brenda Sutherland/ED43, Jody Terek/ED02, Debra Terrell/S³, David Trice/ED13, James Underwood/LMC, Jack Weeks/Boeing, Delisa Wilkerson/ED13, Barry Williams/ASRI, Renee Wilson/ED22, Rob Wingate/ED22, Gregory Young/ATK.

Customer Service Awards:

Flight Projects Directorate: James M. Holt/ED25, Ronald L. Newby/ED19, Sally A. Richardson/ED42.

Science Directorate: Eric L. Corder/ED12, Christy Gattis/ED21.

Second Generation RLV Program: Joseph B. Chamlee/ED22, Michael K. Frasier/ED34, Lorna G. Jackson/ED15, Timothy P. Walton/ED02.

Space Shuttle Projects Office: Stewart J. Deaton/ED44, Scott W. Tillery/ED34, Frank R. Zimmerman/ED33.

Space Transportation Directorate: Bruce W. McCoy/ED16, John M. Jennings/ED21.



Whitney Hubbs



Marshall Imaging Services

MARS 2002 Division 1 champions

The Marshall Athletics and Recreation Society's 2002 Division 1 basketball champions are, standing from left, Terry Jones, Derrick Chandler, Travian Smith, Gary Matthews and Joe Gaines. Keeling is Ron Corn. Not pictured are Clyde McNeil, Rod Hill and Lemuel Vaughn Jr.

Marshall annual picnic 'Family Fun Day' meal tickets, T-shirts on sale

The Marshall Center's annual picnic, "Family Fun Day," will be from 10 a.m.-2 p.m. Aug. 17 at the Marshall picnic area with a children's parade at 9:45 a.m.

T-shirts and tank tops are Anvil 100 percent cotton in ash gray. Prices for all T-shirts -- from a child's small to Adult XX-large -- are \$10 each. Adult XXX-Large T-shirts are \$12. Tank tops, sizes child's small to Adult XX-large, are \$12. T-shirt and tank top orders must be received by the NASA Exchange Space Shop, Bldg. 4203, by July 26.

Meal tickets are \$6 each and are available until Aug. 12 through administrative officers. For each meal ticket purchased, participants will receive two door-prize tickets. Meal tickets also may be purchased from the Internal Relations and Communications Department, Bldg. 4200, Room 101.

NASA extends Chandra X-ray Observatory contract with Smithsonian Astrophysical Observatory

Marshall news release

NASA has extended its contract with the Smithsonian Astrophysical Observatory in Cambridge, Mass. to August 2003 to provide science and operational support for the Chandra X-ray Observatory — one of the world's most powerful tools to better understand the structure and evolution of the universe.

The contract is an 11-month period of performance extension to the Chandra X-ray Center contract, with an estimated value of \$50.75 million. Total contract value is now \$298.2 million. The contract extension resulted from the delay of the launch of the Chandra X-ray Observatory from August 1998 to July 1999. The revised period of performance will continue the contract through Aug. 31, 2003, which is 48 months beyond operational checkout of the observatory. The contract type is cost reimbursement with no fee.

The contract covers mission operations and data analysis, which includes both the observatory operations and the science data processing and general observer (astronomer) support.

The observatory operations tasks include monitoring the health and status of the observatory and developing and distributing by satellite the observation sequences during Chandra's

communication coverage periods.

The science data processing tasks include the competitive selection, planning, and coordination of science observations with the general observers and the processing and delivery of the resulting scientific data.

Each year, there are on the order of 200 to 250 observing proposals selected out of about 800 submitted, with a total amount of observing time about 20 million seconds.

X-ray astronomy can only be performed from space because Earth's atmosphere blocks X-rays from reaching the surface. The Chandra Observatory travels one-third of the way to the Moon during its orbit around the Earth every 64 hours. At its highest point, Chandra's highly elliptical, or egg-shaped, orbit is 200 times higher than that of its visible-light-gathering sister, the Hubble Space Telescope.

The Marshall Center manages the Chandra Program for the Office of Space Science in Washington. The development contractor for the spacecraft was TRW, Inc., Redondo Beach, Calif. The Smithsonian's Chandra X-ray Center controls science and flight operations from Cambridge.

Images are available at <http://chandra.harvard.edu> and <http://chandra.nasa.gov>

Center Announcements

University scholarships available

Two university scholarships sponsored by the Marshall Association are available for incoming freshmen in September. Both technical and non-technical scholarships will be awarded. The Association will accept applications for the scholarships until July 31. Completed applications should be submitted to Cliff Bailey in AD01 or call 544-5482.

Thrift Savings Plan open for Marshall employees

Marshall employees can change their contributions to Thrift Savings Plan accounts until July 31. Employees also may begin contributions to their accounts during this period. There are five different funds to choose from. For more information, call Ginger Martin at 544-5654 or Debbie Allen at 544-7536.

Marshall Retirees Association offering university scholarship

Students who are 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 Student Financial Services at 824-2755.

Did you once race a moonbuggy?

Planning for the 10th annual Great Moonbuggy Race, to be held in 2003, has begun. Organizers would like to find any Marshall team members who once raced on a moonbuggy team. For more information, call Durlean Bradford at 544-5920.

WebTADS training notice

NASA Administrator Sean O'Keefe has requested that time keeping be delegated to the employee level. Training is now available to Marshall employees on WebTADS timesheet entry and NASA standardized policies. The WebTADS training team will be contacting the administrative officer or management

support assistant of each organization to coordinate training dates and location. The training sessions will last approximately two hours and will include timekeeping standardized policies and a WebTADS system navigation demonstration. Labs will be available as needed for additional practice. Administrative officers or management support assistants should call Pam Vaughn at 544-9372 for additional information.

AdminSTAR employee overview training dates set for July

The AdminSTAR employee overview training is designed to provide users with the core functionality of AdminSTAR learning management software application. Users will be able to identify methods to overcome AdminSTAR log-on barriers, use catalog and calendar features, review and print requested and approved training as well as cancel out of approved courses. All sessions will be in Bldg. 4200, Room G13A, on July 25 from 1-2 p.m. and 2:30-3:30 p.m. To register, call John Heath at 544-2622.

AIAA 50th anniversary dinner

The American Institute of Aeronautics and Astronautics Alabama-Mississippi Section is celebrating its 50th anniversary with a dinner and panel discussion. The meeting is at 5:30 p.m. July 25 at the Huntsville Marriott. Regular admission is \$20 and student admission is \$10. Reservation deadline is July 22. For more information, call Arloe Mayne at 881-7124 or Wanda Reece at 544-2630. The meeting is open to the public.

MARS ballroom dance lessons

Waltz and Mambo dance lessons will be July 29 in the Parish Hall off St. Stephens Episcopal Church. Fee is \$8 per lesson. Intermediate lessons are from 7-8 p.m. and beginners from 8-9 p.m. Call 650-0200 for more information.

Disposal Operations sale July 30

An auction sale hosted by Disposal Operations at Marshall will be at 9

a.m. July 30. A preview will be from 9 a.m.-3 p.m. July 29 and on the morning of the auction from 7-8:45 a.m. There will be approximately 146 lots of computer and test equipment and machinery. The sale will be at Intergraph Bldg. 21 on Dunlop Blvd., Huntsville. For more information, call 544-4667, 544-1774 or go to www.gsaauctions.gov.

NASA Ski Week reservations being accepted

The 12th-annual NASA Ski Week will be at Big Mountain ski resort in Montana on Feb. 22-March 1, 2003. This is a 3,000-acre ski resort overlooking Glacier National Park. All Marshall team members, retirees, spouses and dependents are eligible to participate. For more information, call 233-0705 or e-mail Thomas.S.Dollman@msfc.nasa.gov.

NASA Bowling League meeting

The NASA Bowling League will hold an organizational meeting Aug. 20. The league will start Sept. 3 at 6 p.m. at Monarch Lanes. All Marshall team members and dependents are eligible to participate. For more information, call Chuck Seal at 544-1120 or Rob Lake at 544-1176.

Gregory to speak at Marshall Association meeting

Fred Gregory, deputy administrator designee and current associate administrator for the Office of Space Flight, will be the guest speaker at the Marshall Association's meeting July 30. The event begins at noon at Rustic Lodge and cost for lunch is \$7. Bus transportation will be offered from Bldg. 4200, Bldg. 4203 and Bldg. 4610. For more information, call Cliff Bailey at 544-5482.

MARS co-ed volleyball meeting

A MARS co-ed volleyball meeting is at noon, Aug. 5, at the Marshall health center. For more information, call Dennis Gallagher at 961-7687 or go to <http://inside.msfc.nasa.gov/MARS/clubs.html#ball>

Employee Ads

Miscellaneous

- ★ Garmin GPS 45XL w/case, owners, manual, and 12V DC adapter, \$50. 464-9352
 - ★ Dynamo pool table and all accessories, 9 cues, cue rack, triangle, balls, \$1,000 obo. 653-3613/Jonmichael
 - ★ Exercise bike, Aero 750, variable resistance, electronic ergo-meter knob missing, \$50 firm. 883-2869
 - ★ King-size waterbed mattress w/heater and bedding, \$30. 828-6213
 - ★ 1973-1979 Corvette fiberglass front spoiler, \$100; 1970-1975 Corvette carpet set, black w/pad, \$150. 961-1475
 - ★ Computer desk, L-shaped w/shelves, 3-drawer storage, elevated monitor shelf, \$175. 776-9165
 - ★ Adult size crutches, \$20; Evenflo car seat with base, \$25. 852-2145
 - ★ Four Jet Ski's, two double trailers, single trailer, mix and match, trades considered. 464-9232
 - ★ Four game roosters. 852-0799
 - ★ 1982 Ovation acoustic guitar w/OHSC, \$350 firm. 828-9486
 - ★ Ralph Lauren comforter set w/pillow shams, blue denim, heavyweight, queen/full, \$150. 880-8008/797-1769
 - ★ Palm M505, color display, \$250; Palm Vx, \$150. 337-7647
 - ★ Loveseat, cream colored, \$50. 880-8008
- Single waterbed, honey maple w/brass trim, includes heater, comforter and bedding, \$120. 859-0729
- ★ Demarini Xplosion 29/18 baseball bat, \$95. 656-0461
 - ★ Conn student trombone, Model 18H Director, \$375 obo. 256-830-4846
 - ★ Men's suits, 42-regular, pants 34"x30", \$25 each; two sport coats 42-regular, \$15 each. 852-3501
 - ★ Gemeinhardt flute, one key sticks, \$300 obo. 771-0061
 - ★ Pioneer stereo cabinet, 4'Tx19"Wx16"D, \$40. 461-8369
 - ★ Yamaha Clavinova COP-153S, \$1,200; Nordic-Track Ellipse 910e exerciser, \$125. 830-9464
 - ★ Blessing trombone B-88-0, w/red brass bell and F attachment, serviced recently, \$425 obo. 256-586-2852
 - ★ Two P225/60R16 Michelin tires w/approx. half wear, \$25; 220V 16-18,000 BTU window air conditioner, \$125. 883-8233
 - ★ 1993 Golf Club car, gas, restored w/lift kit, new body, bed, head, \$3,895. 883-2948
 - ★ Imperial Deluxe folding stairs, 8'. 729-0016

- ★ Valhalla Memory Gardens, side-by-side crypts, eye level, discounted price. 239-272-5627
- ★ 1990 Kawasaki 300 Bayou, 4-wheeler, new battery, \$975. 461-8369
- ★ Whirlpool self-cleaning electric oven/range, \$150; side-by-side refrigerator w/ice in door, \$225; both white. 536-4507
- ★ Conn alto saxophone, extra reeds, \$600; Gateway computer, 300Mhz, Pentium II, 64MbRam, 4GbHD, 17" monitor, \$275. 882-1779
- ★ LazyBoy rocker/recliner, \$70. 881-1249
- ★ Faberware dishes, 8 settings w/serving pieces, Dorchester, \$40. 256-464-6678
- ★ Toro riding lawn mower, 12HP, 32" cut, twin grass bagger, one-owner, needs repairs. 534-5653
- ★ Boat, Deep-V Cobia, Mercury motor, and trailer, 1966 vintage, fixer upper, make offer. 233-0705
- ★ 1957 Issue of Life Magazine featuring Von Braun on cover, \$25. 773-7730

Vehicles

- ★ 1999 Chrysler 300M, platinum/leather, chrome wheels, in warranty, 31K miles, sunroof, loaded, \$17,900. 256-881-0976
- ★ 1992 Saab 900S, 4-door, new brakes, leather, \$2,200. 325-0855
- ★ 1980 Datsun 200SX hatchback, \$1,200. 881-9150
- ★ 1993 Saturn SL2, f-door, automatic, a/c, black, 104K miles, \$2,500 obo. 828-2178 after 5 p.m.
- ★ 2000 VW Beetle, 10K miles, CD, 5-speed, rebuilt title, \$10,900 obo. 256-757-2850
- ★ 1997 Chevy S-10 Blazer LS, 4-door, V6 Vortec, gold color, 84K miles, \$8,750. 256-830-0866
- ★ 1971 Volkswagen, original Westfalia camper, 4-cyl., 4-speed, low miles, rebuilt motor, \$3,000. 256-739-4734
- ★ 1995 Oldsmobile 88 Royale, beige, leather, 4-door, PD/PW, AM/FM/tape, 151K miles, \$3,500. 883-6446
- ★ 1999 Acura 2.3 cu. liter, leather, loaded, certified, \$16,200. 337-6005
- ★ 1998 Grand Am, 77K miles, pw/pd, tint, cruise, garage kept, \$5,700 obo. 920-7000
- ★ 1989 Ford Crown Victoria, full-power, driven daily, 117K miles, \$1,500. 232-1171
- ★ 1991 Acura Integra LS, hatchback, 5-speed, 180K miles, one-owner, moonroof, \$1,500. 746-9148
- ★ 1988 Volvo 240, charcoal gray, \$1,300 obo. 256-652-3009

- ★ 1999 Dodge 2500, 4x4, SLT, diesel, quad cab, am/fm/CD, 5-speed, 96K miles, \$19,500 obo. 931-732-4742
- ★ 1999 Mercury Grand Marquis, 87K miles, loaded, \$6,500. 232-4465
- ★ 1994 Ford Probe, needs engine, \$1,500 obo; 1993 Suzuki sidekick, \$2,500. 851-8668
- ★ 1978 Chevrolet Monte Carlo, 305 engine, 116K miles, \$1,595. 881-2355/9593
- ★ 1995 Nissan King-Cab pickup, XE/V6, gray, 71K miles, automatic, a/c, bedliner, \$5,995. 895-9589
- ★ 2001 Dodge Neon, 1,500 miles, loaded, asking \$9,500. 256-370-2902
- ★ 1993 Ford Explorer XLT, one-owner, \$3,900; 1992 Pontiac Sunbird, red convertible, one-owner, \$3,300. 232-7394
- ★ 2001 Dodge/Intrepid, 6K miles, \$16,500; 2001 Concorde/LXI, maroon, \$18,395; 1994 New Yorker, driftwood, \$4,500. 828-4251
- ★ 1993 Mustang LX convertible, new top, many new parts, \$4,000. 883-1211

Free

- ★ Strawberry plants, large berries, good variety, any number, pickup now until September 30. 256-859-9165
- ★ Kittens; black calico, white w/tan tail. 852-0799
- ★ Kitten about 8 weeks old, gray. 778-8830

Lost

- ★ 25-Year NASA service pin, between Bldg. 4200 basement and Bldg. 4202. 544-8092

Found

- ★ Pocket knife, near Bldg. 4623/Fowler Road. Call 544-3623 to claim/identify

Wanted

- ★ Bicycle trailer convertible to jogging stroller in good condition. 533-1171
- ★ Twin bed w/mattress and box spring, reasonable. 722-9989
- ★ Trumpet or Cornet "Shepherd Crook", good condition, silver. 883-5420
- ★ Quality juicer; sliding glass doors in frame, good condition. 881-0883
- ★ Help in solving a tough 10-part puzzle. 881-6595
- ★ PC color monitor, 15". 721-9132
- ★ Small truck, must have auto & air, below 100K's, for daughter, limited budget. 256-931-2822

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