

MARSHALL STAR

Serving the Marshall Space Flight Center Community

April 18, 2002

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Administrator O'Keefe unveils his vision for NASA *vows to send educator Morgan into space*

NASA Headquarters/Marshall news release

In his first major address since being sworn into office, NASA Administrator Sean O'Keefe outlined his strategic vision for the agency's future, including a component designed to inspire and educate a new generation of explorers and scientists.

The Administrator shared his vision of NASA's future in a speech at the Maxwell

School of Citizenship and Public Affairs, on the campus of Syracuse University. U.S. Rep. Sherwood L. Boehlert, who oversees the agency as chairman of the House Science Committee, and U.S. Rep. James T. Walsh, who heads the House subcommittee that supervises NASA's budget, both of New York, joined O'Keefe at Maxwell.

"The nation faces extraordinary new
See O'Keefe on page 9

New York, Missouri teams win 9th annual 'Great Moonbuggy Race'

by Jack Robertson

A team from Cornell University in Ithaca, N.Y., rode to victory in the college division of NASA's 9th annual Great Moonbuggy Race on Saturday with a Missouri team taking top honors in the high school division.

The Cornell No. 1 team topped 33 college and university teams from 18 states, Puerto Rico and Colombia. In addition to the first place honor, the team earned a trip to NASA's Kennedy Space Center, Fla., to view a Space Shuttle launch.

The Cornell No. 2 team finished second, while the University of New Orleans placed third. Those teams received plaques, and all three winning teams received medallions and duffel bags bearing the Great Moonbuggy Race logo.

The award for best moonbuggy design went to the College of New Jersey in Ewing. A special "pits award" for ingenuity and persistence was won by the team from University of Puerto Rico in Humacao.

The high school division race, held Friday, featured 27 teams. Team No. 1 from Lafayette County High School in Higginsville, Mo., captured first place honors. The team earned a weekend trip



Photo by Jeff Wolfe, NASA/Marshall Space Flight Center

Unscheduled pit stop

Embry-Riddle Aeronautical University's "Tank" from Daytona Beach, Fla., throws a chain during the Great Moonbuggy Race.

to Space Camp at the U.S. Space & Rocket Center.

New Orleans Area Schools team No. 2 from New Orleans, La., took second, while team No. 2 from Lafayette County High

See Moonbuggy on page 9

Roy Malone Jr. named deputy director of Marshall Safety and Mission Assurance Office

from the Safety and Mission Assurance Office

Roy W. Malone Jr. has been named deputy director of the Safety and Mission Assurance Office at the Marshall Center.

Malone began his career at Marshall in 1994, after working for PRC Inc., as a senior quality engineer. From 1994 to June 1997, Malone served in various positions, including technical advisor in the Safety and Mission Assurance Shuttle Integration Office. For the next year, he served as Marshall's ISO 9000 audit manager. In 1998, he was named manager of the Logistics Services Department in the Center Operations Directorate.



Malone

Malone served on active duty with the U.S. Navy for 11 years — including duty onboard three U.S. Navy destroyers. He was a combat systems officer on the U.S.S. CARON during Operation Desert Storm. He also spent two years at the Pentagon in Washington, where he served on the Joint Chiefs of Staff and in the Office of the Chief of Naval Operations.

Malone earned a bachelor's degree in electrical engineering from the Georgia Institute of Technology in Atlanta. He has also completed the Program for Management Development from the Harvard Business School.

Obituaries

Ball, Leslie W., 89, of Huntsville, died March 26. He retired from Marshall in 1976 where he worked in flight systems safety. He is survived by his wife, Ailsa M. Ball; one son, Tony Ball of Seattle; three daughters, Jacqueline Whitebread of Alabama, Sandra Ball Rokeach of Los Angeles and Karen Ball of Georgia; four grandchildren; and four great-grandchildren. Memorials may be made to a favorite charity.

Meeks, Fred E., 55, died April 9. He was employed by Creative Management Technology and worked at the Marshall Center as a custodian for more than 18 years.

Shook, Reab, 79, of Park City, Tenn., died March 25. He retired from Marshall in 1971 as an electrical specialist. He is survived by his wife, Loyce Moore Shook; one son, Bruce Shook of Murfreesboro, Tenn.; one daughter, Kathy Shook Brown of Taft; two sisters, Geneva Morrison of Five Points, Tenn., and Bobbie Shook of Anderson; two brothers, Bufford Shook of Lexington and Cassel Shook of Anderson; and two grandsons.



Photo by Emmett Given, NASA/Marshall Space Flight Center

Earth Week activities in full swing

Marshall recycling committee member Paige Vaughn, right, shares some of the literature on Earth Week with Chanel Leslie. Exhibits on recycling, environmental awareness and energy are in the lobby of Bldg. 4200. This year's theme is "It's Hard to Stay Green." A tree-planting ceremony is Thursday, April 18, at the Wellness Center, Bldg. 4315. Guest speaker is Harvey Cotten, chief operating officer of the Huntsville-Madison County Botanical Garden. The ceremony is from 10-11 a.m. and free tree seedlings will be given away.

Marshall's Brian Mitchell recognized with 'Eagle Manned Mission Success Award' for Space Station work

Common Berthing Mechanism is Station's 'connection point'

by Martin Burkey

It's up to astronauts to put the International Space Station together, but Marshall engineer Brian Mitchell is one of the people behind the scenes who makes it look so easy.

Mitchell has been recognized for his work on a piece of hardware critical to assembling the orbiting outpost. He was part of a three-person team that received the Eagle Manned Mission Success Award last month at the National Space Club's 45th annual Goddard Dinner in Washington, D.C.

The other recipients were Al Parrish, senior mechanisms engineer at Kennedy Space Center and Harry Warden, senior mechanical designer with The Boeing Co. in Huntsville.

The three were cited for "the outstanding success of the International Space Station Common Berthing Mechanism Team that paved the way to a nearly flawless on-orbit assembly of the Phase II elements of the International Space Station."

The Berthing Mechanism serves as the connection point between all the Station's non-Russian pressurized lab and living modules. At 80 inches across, it is the largest-diameter mating interface ever developed for a pressurized spacecraft. The complex device includes alignment guides and capture latches that align and capture adjoining modules during assembly and 16 motorized bolts that lock the modules tightly together.

The team's nomination noted that Mitchell served as the "technical conscience" of the government/industry team responsible for the Berthing Mechanism. Mitchell was the lead engineer on the project and later was selected as sub-system manager of the Berthing Mechanism and common hatch. He later served as the Node 1 element manager for the International Space Station program office. Among his contributions was an Intra-vehicular Seal that could be installed by the Station crew from inside the modules to ensure any possible air leaks are eliminated.

Six Common Berthing Mechanisms were launched to the Station in 1998 as part of the Node 1 module, named Unity, aboard the Space Shuttle. They have performed flawlessly in six missions, including the berthing of the Unity module, Destiny lab module, Quest airlock, and several dockings of the Italian-built Multi Purpose Logistics Modules that carry food, equipment and other supplies to and from the Station on Shuttle missions.

The award, sponsored by AXA Corp. of Bethesda, Md., recognizes a person or group "who by direct involve-



Photo by Dennis Olive, NASA/Marshall Space Flight Center

Brian Mitchell inspects the Common Berthing Mechanism.

ment in mission development, preparation or execution, has made a significant contribution to Manned Space Flight Mission success during the previous year." It is intended that the recipients be at the working level - not associated with the achievement only by virtue of a management role.

Mitchell joined the Marshall Center after college in 1984. Until last year, he had spent his entire career working on the Space Station berthing mechanism. In the process, his life became closely tied to this complex aluminum ring orbiting 17,000 miles over the Earth.

The Berthing Mechanism had to be compatible with modules built by NASA's international partners, as well as the Shuttle robot arm that would be used to install Station components.

The writer, employed by ASRI, works for the Media Relations Department.

Moonbuggies roll during

And the college winners are ...



Photo by Terry Leibold, NASA/Marshall Space Flight Center

First place Cornell University's "Team No. 1" from Ithica, N.Y.

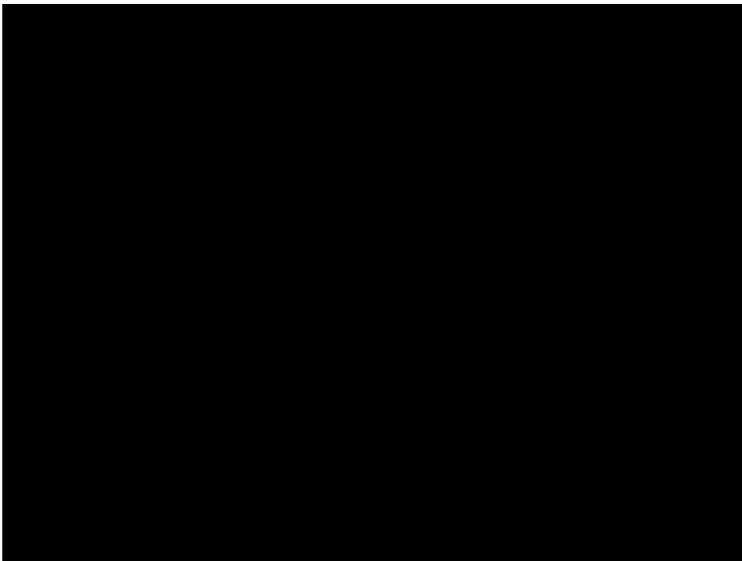


Photo by Terry Leibold

Second place Cornell University's "Team No. 2" from Ithica, N.Y.



Photo by Doug Stoffer, NASA/Marshall Space Flight Center

Third place University of New Orleans

9th annual competition

And the high school winners are ...



Photos by Jeff Wolfe, NASA/Marshall Space Flight Center

First place Lafayette County High School's "Team No. 1" from Higginsville, Mo.



Second place New Orleans Area Schools "Team No. 2" from New Orleans, La.



Third place Lafayette County High School's "Team No. 2" from Higginsville, Mo.

High school students competing in Moonbuggy races create their own excitement, despite rainy day

by Jonathan Baggs

Martha Goodman and Marcus Russell reclined in the bolt-on seats of two “moon buggies” while rain pelted a tent above them during the 9th Annual Great Moonbuggy Race at the U.S. Space & Rocket Center last Friday.

About an hour before, they were part of an 11-member team from Lafayette County High School in Higginsville, Mo., that set a new course record for high school competition. They set up their moon buggy in five seconds. Their team completed the one-half mile course in 3:39 minutes. The closest any other team had come to their course time clocked in at the four-minute range.

But it was only mid-way through Friday’s opening competition, so there was still a chance someone could beat them. It wouldn’t matter if they did get beat, team members said. Later they would find out that their lead would hold for a first-place finish in the high school division.

Goodman and Russell’s attitude was rampant among those who did well on the course, and among those who didn’t do so well.

Al Whitaker, media and public relations manager for the Space & Rocket Center, said the competition ran smoothly. “The Marshall folks have crossed every ‘t’ and dotted every ‘i.’ It’s been flawless.”

The rain didn’t seem to bother the racers. As their race number was called, each team brought their buggy to the staging area. There were buggies with side-by-side seating configurations; buggies with in-line, or tandem, seating; and others with articulated joints allowing the vehicle to bend in the middle.

Once set up, the teams pedaled to the starting line. It was obvious that some designs were better than others. Some buggies promptly got stuck at the first



Photo by Jeff Wolfe, NASA/Marshall Space Flight Center

Johnson High School’s team from Huntsville stays the course during its first appearance at the ‘Great Moonbuggy Race.’

raised-gravel obstacle, while others hit it and literally became airborne – prompting cheers and applause from onlookers lining the course.

One of those onlookers was Huntsville Mayor Loretta Spencer. She said it was “great” to see how the moonbuggy race keeps growing each year.

“It’s even more exciting since Huntsville schools are participating in a bigger way,” Spencer said. “I’ve heard some of them talk about the excitement of working with the Marshall employees. It’s what Huntsville is all about – teamwork and creativity ... and the children learning how to do it.”

Huntsville High School had a good first run at the course – taking most obstacles with ease.

Johnson High School team members Alex Crutcher, 15, and Aleshia Green, 16, competing for the first year, had some difficulty with obstacles and at times, would have to push their buggy across. After their first race, both took stock of their performance.

“We did it to have fun and we learned a lot,” Crutcher said. “We’re going to be

here next year and we’re going to be better.”

Green nodded in agreement with her teammate. “It was exciting,” she said. “It was kind of difficult at certain obstacles.”

The Johnson team, like so many others competing Friday, only finished building their buggy the night before the race, even though construction began months ago.

No matter what place they finally score, Green said she learned an important lesson during the race. “Never give up,” she said.

As the rain started, then stopped, and started again, Goodman and Russell talked about what they learned since competing in the 2001 race. The team brought two buggies to the competition. “A tandem design works best,” Goodman said. “Put shocks on it to take pressure off the buggy.”

The Missouri team also designed and customized the pedals on their buggies specifically to match the physical characteristics of each team member who would be using them. “We spent well over 500 hours building the buggies,” Goodman said.

The team refined their design after school, on weekends and after sporting events. Design work began in the summer of 2001. When they weren’t working on the buggies, team members were raising money to attend the race in Huntsville and pay for the buggy materials. “Our Easter vacation was spent raising funds,” Russell said.

Even though several of the buggy materials were donated, the cost can be expensive. “It took about \$8,000 to build the buggies,” Goodman said. “We had a lot of support from our community – a lot of support.”

The writer, employed by ASRI, is the editor of the Marshall Star.

Barbara Morgan to finish Christa McAuliffe's journey

Educator mission specialist picked for trip to International Space Station

Biographical information from the Johnson Space Center

Barbara Morgan was born Nov. 28, 1951, in Fresno, Calif., and is married to writer Clay Morgan of McCall, Idaho. They have two sons. She is a classical flutist who also enjoys jazz, literature, hiking, swimming, cross-country skiing and her family. Her parents are Dr. and Mrs. Jerry Radding. Her parents-in-law are Dr. and Mrs. Clay Morgan.

She is a 1969 graduate of Hoover High School in Fresno, Calif. She earned a bachelor's degree in human biology from Stanford University in 1973, and earned her teaching credentials in 1974 at the College of Notre Dame in Belmont, Calif.

Morgan is a member of the Idaho Education Association; National Council of Teachers of Mathematics; National Science Teachers Association; International Reading Association; International Technology Education Association; and the Challenger Center for Space Science Education.

She has received numerous education and NASA awards and honors. A complete listing is available at <http://www.jsc.nasa.gov/Bios/htmlbios/morgan.html>

Morgan began her teaching career in 1974, on the Flathead Indian Reservation at Arlee Elementary School in Arlee, Mont., where she taught remedial reading and math. From 1975-1978, she taught remedial reading and math and second grade at McCall-Donnelly Elementary School in McCall, Idaho. From 1978-1979, she taught English and science to third graders at Colegio Americano de Quito in Quito, Ecuador. From 1979-1998, she taught second, third, and fourth grades at McCall-Donnelly Elementary School.

Selected as the backup candidate for

the NASA Teacher in Space Program in 1985, Morgan trained with Christa McAuliffe and the Challenger crew at NASA's Johnson Space Center in Houston.

Following the Challenger accident, Morgan assumed the duties of "Teacher in Space Designee." She worked with NASA speaking to educational organizations throughout the country.

In the fall of 1986, she returned to Idaho to resume her teaching career, although she continued to work with NASA's Education Division in the Office of Human Resources and Education. Her duties also included NASA education consulting, curriculum design and serving on the National Science Foundation's Federal Task Force for Women and Minorities in Science and Engineering.

As the first Educator Mission Specialist, Morgan began training again in 1998. Her training included orientation briefings, tours, scientific and technical briefings, intensive instruction in Shuttle and International Space Station systems, physiological training and ground school



Morgan

to prepare for T-38 flight training, as well as water and wilderness survival techniques.

NASA Administrator Sean O'Keefe said he expects Morgan to fly on the Space Shuttle in 2004.



Educator Mission Specialist Barbara Morgan signs autographs during a visit to the Marshall Center in October 2001.

Photo by Emmett Given, NASA/Marshall Space Flight Center

Marshall 'Trike-A-Thon' part of week celebrating children

Event raises money for children's research hospital

by Jonathan Baggs

If enthusiasm can be caught, it was a rampant infection last Thursday during the second annual "Trike-A-Thon" at the Marshall Child Development Center.

About 48 children in three age groups pedaled their way around a track in the parking lot of Bldg. 4494 to raise money for St. Jude Children's Research Hospital. The 3-, 4- and 5-year olds brought their own tricycles, bicycles, Big Wheels and pedal carts to participate.

"Last year we raised about \$2,500, so this year our goal was \$3,000," said Kelli Brott, director of the development center.

The money is raised through pledges for each lap the children complete. All of the money goes to St. Jude in Memphis, Tenn., to help in its fight against childhood catastrophic diseases, Brott said. The hospital, founded by the late entertainer Danny Thomas, is an internationally recognized biomedical research center dedicated to finding cures for children's diseases. All patients are treated regardless of their ability to pay.

Brott said the idea for hosting a local Trike-A-Thon came in 2000, when she attended an educator's conference and talked to a representative of the hospital.

The event at Marshall was part of National Week of the Young Child.

"It's a time set aside to celebrate our children," Brott said.

During the week, the children painted T-shirts, learned about fire safety from "Sparky the Fire Dog," participated in a field day with picnic lunch and parents came to tell stories or sing songs.

The really big event for the children, however, was the chance to race around the course on their pedal-powered machines.

"The children know why they are doing this," Brott said. "Last year, one of them came up to me and said, 'I need some money in my envelope for the sick kids.'"



Photos by Terry Leibold, NASA/Marshall Space Flight Center

The 5-year-old racers take off and round the first turn in Marshall's 'Trike-A-Thon.'



Kathleen Liggin, 3, roaring toward the finish.



Mac Delay, 3, enjoys the ride.



Rachel Harris, 3, gets a push from Faith Meier, also 3, during the event.

Watching the children go around the course, Brott said, "Last year we didn't have a course quite this big and we didn't have a time limit. The 5-year-olds just kept going and going and going."

Brott smiled and said there also is another advantage to participating in the Trike-A-Thon. "We don't have any problems at nap time."

The writer, employed by ASRI, is the editor of the Marshall Star.

O'Keefe

Continued from page 1

challenges. The world is changing, and if NASA is going to exploit these new opportunities then America's space program must also change," O'Keefe said. "Our future decisions will be science-driven, not destination-driven. The investments we make today must be justified by their contributions to the long-range goals of the agency."

O'Keefe spelled out NASA's vision and mission:

The new NASA vision for the future is:

- To improve life here,
- To extend life to there,
- To find life beyond.
- The NASA mission is:
- To understand and protect our home planet
- To explore the Universe and search for life,
- To inspire the next generation of explorers ... as only NASA can.

In his speech titled "Pioneering the Future," O'Keefe outlined the importance of inspiring a new generation of explorers through education.

"Education is part of our core mission," O'Keefe continued.

In an effort to take students on a new journey of learning, the Administrator unveiled plans for a new type of space explorer — an Educator Mission Specialist.

Shortly after completion of the core elements of the International Space Station in 2004, NASA will send Barbara Morgan, the agency's first Educator Mission Specialist, into space.

Morgan was selected as the backup candidate in 1985 for the Teacher in Space program. She trained side-by-side with Christa McAuliffe and the Challenger crew at the NASA Johnson Space Center in Houston. The Teacher in Space program ended when Challenger exploded Jan. 28, 1986, killing McAuliffe and her six crewmates.

"The time has come for NASA to complete the mission — to send an educator to space to inspire and teach our young people," O'Keefe said. "Working in partnership with Education Secretary Rod Paige, we will make Barbara's flight the first in a series of missions in the new Educator in Space program."

O'Keefe said it is fitting that Morgan complete the mission of STS-51L. "For the past 16 years, Barbara has worked

with NASA and countless science organizations, keeping alive Christa McAuliffe's inspiration. She is uniquely qualified to take our students on a journey of education that only NASA could make possible."

The new vision for the agency builds on NASA's unique capabilities as the nation's premiere aeronautics and aerospace research and technology organization.

"The biggest difference is that we will let specific science objectives tell us where to go," concluded O'Keefe. "NASA's mission of discovery will be carried out with a new commitment to fiscal and the synergy that comes from working with other government agencies, private industry and academia."

The complete text of the Administrator's address and additional supporting material are available on the Internet at:

<http://www.nasa.gov/bios/vision.html>

Additional information about Education Mission Specialist Barbara Morgan is online at: <http://www.jsc.nasa.gov/Bios/htmlbios/morgan.html>

Moonbuggy

Continued from page 1

School in Higginsville, Mo., placed third. The award for best moonbuggy design for a high school went to the New Orleans Area Schools team No. 2.

Vehicles powered by two team members, one male and one female, raced one at a time over a half-mile obstacle course of simulated moonscape terrain.

The competition is inspired by the actual lunar roving vehicle project, which was successfully accomplished by the Marshall Center during the 1960s and 1970s. The race challenges students to design and build a human-powered vehicle so they will learn how to deal with real-world engineering problems — similar to those faced by the actual NASA lunar rover team.

The Marshall Center, U.S. Space & Rocket Center, American Institute of Aeronautics and Astronautics, Aerospace Development Center of Alabama, Sci-Quest North Alabama Science Center and Huntsville's WAFF-TV sponsored the event.

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



Photo by Emmett Given, NASA/Marshall Space Flight Center

Teaching proposal management

Marshall Center Director Art Stephenson recently teaches "Getting Ready to Win," a proposal management seminar focusing on strategies for successfully competing for contracts.

'Take Our Children to Work Day' is April 25

This year, on April 25, children in grades 3 through 12 are urged to participate in the Marshall Center's annual "Take Our Children to Work Day" by coming to work with a parent or guardian.

A new feature is approximately 10 workshops with topics such as the Space Shuttle, metrology, a Career Forum, Safety Health and Environmental mascots, International Space Station, Exploring our Earth and Atmosphere from Space, and "Girls Can be Rocket Scientists, Too."

Tours are offered of some Marshall facilities. Of course, the children will spend time with their parents or guardians at their workstations.

All information and registration information is on "Inside Marshall." The Web site contains the latest confirmation of scheduled event times including when and where to pick up T-shirts.



Photo by Emmett Given, NASA/Marshall Space Flight Center

Reusable Launch Vehicle symposium

Dennis Smith, program manager of the Space Launch Initiative at the Marshall Center, addresses the American Institute of Aeronautics & Astronautics/International Astronautical Federation Symposium on Future Reusable Launch Vehicles during TEAMS Week 2002. Marshall Director Art Stephenson also discussed NASA's Integrated Space Transportation Plan at the forum held at the Von Braun Center.

Job announcements

AST, Liquid Propulsion Systems
G-0861-13, Space Transportation
Directorate, Vehicle and Systems Development Department, Engine Systems Engineering Group. Closes April 18.

AST, Solid Propulsion Systems
GS-0861-13, Space Transportation
Directorate, Vehicle and Systems Development Department, Engine Systems Engineering Group. Closes April 18.

Accountant
GS-0510-13
Office of the Chief Financial Officer,
IFM Core Financial Project Office. Closes April 24.

AST, Technical Engineering Operations Management
GS-0801-14
Systems Management Office, Engineering Cost Office. Closes April 26.

AST, Engineering Project Management
GS-0801-14
Space Transportation Directorate,
Program Planning and Development
Office, Development Projects Office.
Closes April 30.

Computer Scientist
GS-1550-14
Center Operations Directorate, IFM
Integration Project Office.
Closes April 30.

Integrated Resources Analyst
GS-0501-13
Agency Core Financial Project Office,
Office of the Chief Financial Officer.
Closes April 30.

Systems Accountant
GS-0510-14
Agency Core Financial Project Office,
Office of the Chief Financial Officer.
Closes April 30.

Integrated Resources Manager
GS-0501-14
Agency Core Financial Project Office,
Office of the Chief Financial Officer.
Closes April 30.

ENERGY TIP

Caulks are airtight compounds, usually latex or silicone, that fill cracks and holes.

Before applying new caulk, old caulk or paint residue remaining around a window or door should be removed. Use a putty knife, stiff brush or special solvent. After removing old caulk, new caulk can be applied to all joints between the frame and wall and in window frames.

The best time to apply caulk is during dry weather when the outdoor temperature is above 45-degrees Fahrenheit. Low humidity is important during application to prevent cracks from swelling with moisture. Warm temperatures are necessary so the caulk will set properly and adhere to the surface.

Center Announcements

Reservations for student rocket launch due Friday

All Marshall team members are invited to Student Launch Initiative activities Saturday, April 27. High school students will be launching rockets and payloads they designed. Transportation to the launch site will be provided from the pick-up spot near the SR71 Blackbird at the U.S. Space & Rocket Center at 9:15 a.m. on launch day. Due to the limited number of people allowed in the launch area, reservations are required by Friday and can be made by calling 544-8800.

2002 Earth Week activities

Earth Week activities are Monday-Friday, including recycling, environmental and energy exhibits in the lobby of Bldg. 4200; a logo contest, a spot-an-environmentalist contest and a tree-planting ceremony. The theme this year is "It's Hard to Stay Green." Ceremonies are from 10-11 a.m. April 18 at the Wellness Center, Bldg. 4315.

Marshall emergency support services is S.H.E. focus

During April, the Safety, Health and Environmental focus topic is Marshall's emergency support services. To assist in raising awareness on what to do if an emergency occurs, HEMSI emergency medical technicians are available to speak at group safety meetings. To arrange for a guest speaker, call Brenda Bradford at 544-5650 or Alison Boylen at 544-5651.

Book fair is April 23-26

The NASA Exchange is sponsoring a book fair April 23-26 in the lobby of Bldg. 4203 from 8 a.m. to 4 p.m. A variety of hardback books, including best sellers, cookbooks, gardening, biographies, sports and children's selections will be offered at substantial discounts.

Blue Cross/Blue Shield rep will be at Marshall on April 24

The Federal Blue Cross/Blue Shield representative will be at Marshall on

April 24 from 9-11 a.m. in Bldg. 4200, Room 329.

Marshall team members invited to Costco for 'Treasure Hunt'

All Marshall team members are invited to Costco Wholesale at 1205 N. Memorial Pkwy. on April 26-28 to participate in a "Treasure Hunt Weekend." A special "NASA Table" will be available for employees to pick up a one-day pass. The 5-percent surcharge for non-members will be waived for Marshall team members during the event. Including the pass, team members will receive door prize tickets, food and other items simply by presenting their badge at the table. For more information, call Bill Mayo at 544-7564.

Internet maintenance activity is April 25

Marshall Internet maintenance is April 25 from 6-10 p.m. All network traffic inbound and outbound at the Center will be unavailable during these hours. All remote-access service also will be unavailable. Local network services could be intermittently affected during this timeframe. For more information, call 544-HELP, Option 7.

Clubs and Meetings

Property management group hosting 2002 training

The Marshall Center Property Management Group is hosting the National Property Management Association Rocket City Chapter on May 21 from 8 a.m. to 4 p.m. for spring 2002 training. The training is open to all Marshall team members associated with the National Contract Management Association, National Property Management Association, National Association of Purchasing Management or the International Facility Management Association. For more information, call Debie Grissom at 544-6572.

Shuttle Buddies meet

The Shuttle Buddies will meet for breakfast at 9 a.m. April 22 at Mullins Restaurant on Andrew Jackson Way. For more information, call Deemer Self at 881-7757 or Gail Wynn at 852-8189.

North Alabama chemical engineers meeting April 23

The spring 2002 North Alabama American Institute of Chemical Engineers (AIChE) Section meeting is April 23 at Greenbriar Restaurant on Interstate 565. Cost is \$12 per person for members and guests and \$6 per person for students. The price includes drink, entree, dessert and gratuity. The meeting begins at 6:30 p.m. and R.S.V.P.s should be made to J. Miernik by April 19 at 544-6534 or janie.miernik@msfc.nasa.gov

AIAA dinner meeting is April 25

Robert Sackheim, assistant director and chief engineer for propulsion at Marshall will speak at the April dinner meeting of the Alabama-Mississippi Section of the American Institute of Aeronautics & Astronautics. "Shuttle Privatization" will be the subject of Sackheim's address. The meeting is April 25 at the Radisson Suite Hotel, 6000 S. Memorial Pkwy., Huntsville, beginning at 6:30 p.m. Admission is \$20 for adults and \$10 for students. Reservations can be made at ArloeWJr@cs.com or by calling 881-7124 by noon April 22.

'Leadership' topic of Marshall Association meeting in May

The 2002 Marshall Association's May luncheon will feature retired Marshall employee Jim Odom. The meeting will be Thursday, May 23, at the Redstone Officers' and Civilians' Club from 11:30 a.m. to 1 p.m.

Miscellaneous

National Youth Service Day

To volunteer for Saturday's National Youth Service Day, call 880-2123 for more information.

Employee Ads

Miscellaneous

- ★ MTD chipper/shredder, 5HP, \$250. 830-4846
- ★ Epiphone/Strat guitar w/hardcase, \$95; SKS unfired, \$195; MacQuadra 605 system, Laser-writer, extras, \$150 obo. 851-8085
- ★ Franklin 3-piece leather sectional, hunter green w/queen size hide-a-bed, 2 recliners, \$1,250. 533-5942
- ★ Gun case, 12-gun, wood, lighted, lockable twin doors w/glass, lockable storage, \$250. 379-3606
- ★ 450 Mhz Pent. Sys., 19" Sony monitor, 56K, 3.1Gig, 30-day warranty, \$325. 881-2182
- ★ Dog kennel, heavy duty galvanized chain-link fence, 7'Wx12-1/2'Lx6'H, \$90 obo. 256-420-2906
- ★ Skate ramps; adjustable height ramp w/rail, starting ramp & 2' launch ramp, sell together or separate, \$100 obo for all. 837-2162
- ★ 1994 Chaparral boat, 19', V6 Chevy engine, dual props, low hours, burgundy/white. 232-8528/729-1886 6-8 p.m.
- ★ 1994 Honda Shadow 600 VLX Deluxe, 1,050 miles, new tires and windshield, \$3,800. 726-1215/880-7319
- ★ Road bike, 58cm, pedal straps, trip computer, frame pump, \$130. 658-3901 evenings
- ★ Axion computer monitor, 17", \$35. 256-498-3194
- ★ 1998 EZ Go golf cart, electric, 2 yr. old batteries, \$1,475. 325-6000
- ★ Honey Oak coffee table w/4 in-

laid glass panels, 38"x38", w/ woven shelf bottom, \$60. 883-1869/Cecilia

- ★ Jenny Lind crib, \$75; chest-of-drawers, 30s, \$75; oak bookcase, \$75; compact refrigerator, \$40. 464-3182
- ★ Trailer hitch, fits GM cars, \$65. 881-6595
- ★ Carlos acoustic guitar, Model 260FK, \$70; Selmer 1400 clarinet, \$130; Gemeinhardt flute, \$200. 520-3900
- ★ 1981 Lowe Regency pontoon boat, 28', Evinrude 120, galley, hardtop/sundeck, \$6,500. 509-4264/508-9983
- ★ Sofa, 87", cream color, \$300; glass top Faux marble coffee table, \$100. 430-6985
- ★ Class 3 trailer hitch w/receiver for S-10 Blazer of Jimmy, \$50. 233-3407
- ★ Eight stylist chairs, beauty/barber shop, \$100 each; six shampoo chairs, \$75 each; shampoo bowl, \$50. 858-0272
- ★ Early American style solid wood dining room suite; hutch, table, 6 chairs, \$1,200. 722-8116

Vehicles

- ★ 1997 Mitsubishi Eclipse GS, burgundy/tan interior, loaded, \$9,000 firm. 859-3984
- ★ 1989 Olds Cutlass Supreme, fully loaded, \$2,650. 852-5446
- ★ 1987 Nissan Maxima, needs engine, \$500 obo. 837-2381
- ★ 1995 Ford Aerostar XLT, extended, 4.0L/V6, AM/FM/CD,

tow package, dual air, 138K miles, \$4,100. 852-0996

- ★ 1999 Pontiac TransAm, 6-speed, chrome wheels, T-tops, 46.7K miles, \$17,500. 830-4846
- ★ 2000 Honda CRV-EX, silver, 4WD, service records available, 55K miles, \$16,900. 565-3022 day/353-0370 evenings
- ★ 1994 Plymouth Voyager, original owner, 142K miles, \$2,150. 828-5077
- ★ 1997 Nissan Quest XE, loaded, 87K miles, \$8,400. 256-586-9813
- ★ 1989 S-15 Jimmy, Gypsy package, 4.3L, 4WD, black/blue, 22K miles, \$1,750. 837-6517
- ★ 1988 Chevrolet Baretta; 1988 Dodge Fleetwood motor home. 961-9611
- ★ 2000 Mercury Villager Sport, 27K miles, serviced regularly, white/silver, \$18,600 payoff. 461-9662

Wanted

- ★ Men's Carrera roller skates or similar and roller blades, sizes 5-7. 882-0461
- ★ First day issue stamps. 881-6595

Found

- ★ Bracelet, Bldg. 4200 parking lot. Call 544-3623 to claim/identify
- ★ Gold Bracelet, Bldg. 4203 parking lot. Call 544-9201 to identify

Free

- ★ Pine trees suitable for pole building, cut to specified lengths. 881-6040

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