



MARSHALL STAR

Serving the Marshall Space Flight Center Community

May 2, 2002

Inside the Star

- ★ 'All Hands' coverage, page 2
- ★ O'Connor named associate administrator for safety, page 3
- ★ Silver Snoopy and Team Awards, page 4-5
- ★ Student Launch Initiative photos, page 7
- ★ 'Take Our Children to Work Day' photos, page 8-9
- ★ Job announcements, page 10

Milestone review brings NASA one step closer to new launch vehicle

by Holly McClain

NASA is another step closer to defining the next-generation reusable space transportation system and successor to the Space Shuttle.

The Space Launch Initiative (SLI), a NASA-wide effort defining the future of human space flight, has completed its first milestone review — resulting in a narrower field of potential candidates for the nation's second-generation reusable space transportation system.

"To use the resources afforded by

space, it's critical to increase reliability and safety while at the same time reducing the cost of space transportation," said Art Stephenson, director of the Marshall Center which manages the SLI for the Office of Aerospace Technology. "The Space Launch Initiative is doing the groundwork to accomplish these goals and create a second-generation launch system."

"We're not just designing a launch vehicle," added Dennis Smith, also of Marshall, program manager of the Space

See Review on page 10

Center boosts Ala. economy in FY01

Marshall news release

NASA's Marshall Center contributed \$829 million to Alabama's economy in fiscal year 2001 — a 6 percent increase over fiscal year 2000 spending - and significantly more than spending in any other state.

Included in the 2001 spending was \$247 million in salaries for civil service personnel and related costs, as well as travel. Also included was \$582 million spent on locally procured services, prime contractor and subcontractor support, and local construction.

Since it was established in 1960, the Marshall Center has had budget responsibility for more than \$69 billion. When yearly figures are adjusted for inflation, this total is equivalent to more than \$169

See Economy on page 6



Photo by Emmett Given

Marshall Director Art Stephenson, left, and Tuskegee University President Dr. Benjamin F. Payton recently sign a memorandum of understanding which allows for partnering opportunities between NASA and Tuskegee University.

Stephenson tells 'all hands' meeting of Marshall's value to Agency

by Celeste Atkins

The Marshall Center's role in NASA's new vision and mission statements took center stage at Tuesday's "All-hands" meeting in Morris Auditorium. Center Director Art Stephenson said Marshall's value to the Agency was a key point made to him by officials at headquarters in Washington, D.C. on Monday.

NASA's new vision statement –

"To improve life here,
To extend life to there,
To find life beyond"

—was crafted by NASA Administrator Sean O'Keefe and nearly two-dozen top field center managers from across the country, including Stephenson.

At Tuesday's all-hands meeting, Stephenson said the Marshall Center would adopt the new mission statement as well. He pointed out that the first line of the Agency's statement directly relates to technology transfer –using innovations from the space program to improve everyday life here on Earth—also our Earth Science mission (Global Hydrology and Climate Center) e.g. weather and forecasting that is so important at Marshall.

Stephenson has adopted a personal vision statement – “to lead the center in adopting a values-based employee empowered culture.” To achieve this goal the consciousness of values will be raised to the level of importance we have given safety over the past three years. Stephenson committed to meet with every Marshall Center employee (contractor and civil service) over the next year and a half in groups of 50 or less.

Stephenson told of the use of NASA technology to aid homeland security efforts since Sept. 11. Stephenson said, “We have a goal within the Agency to make commercial flying friendly again, while recognizing the need to keep security at a higher level.”

Stephenson pointed out that more than ever before, our economy is based on technology and the application of that technology to our everyday lives. That is why education will continue to be a key area for the Center, he said. “It is more important than ever for us to inspire the next generation to become scientists and engineers and explorers,” said Stephenson. Marshall programs like the Student Launch Initiative and the annual Moonbuggy Race will continue to be a big part of the Center's support of educational programs, he added.

Stephenson talked about a variety of agenda items under the Bush administration's plans, saying sound financial management is the top goal for the NASA. He dispelled talk of downsizing under the administration's plan for “competitive sourcing”,

saying that it simply refers to the balance between civil servants and contractors when it comes to getting the job done in the most efficient way.

Upcoming changes in programs will be positive for Marshall, Stephenson said. The Shuttle will continue to fly for at least 10 more years, he said. During that time, Marshall will be heavily involved in making design improvements and upgrades to the Shuttle, while also working on the next generation of reusable launch vehicles.

All payload training activity for the International Space Station is now centered at Marshall, noted Stephenson, and the Chandra X-ray Observatory —which received a five-year extension— continues to teach us more about the universe and how it was formed. Stephenson touted the microgravity research projects centered at Marshall, and praised the growth of the National Space Science and Technology Center as more colleges and universities join the center's network.

With all the talk of the good things happening now at Marshall, Stephenson let the Marshall team in on a future possibility: NASA Headquarters plans to open a Consolidated Business Office (CBO) that brings all of NASA's business functions under one roof. This CBO will be located at a center. Marshall is the leading candidate for the honor.

Stephenson stressed the need for better Center communications, explaining the nature of changes being implemented in how his meetings are managed, while detailing his role in communicating a values-based culture change. He also encouraged employees to take advantage of communications tools available to them such as Web sites and the Marshall Star. He capped off the meeting by recognizing 22 employees with “Length of Service” awards, all 30 years or longer.

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

Length of service award recipients

45 Years - Harol C. Euler Jr.

40 Years - Clifton A. Kirby and Glenn E. Wilmer Jr

35 Years - Charlie C. Dill Jr., James M. Ellis, John L. Fults, Geoffrey C. Hintze, Gary W. Johnson, Austin C. Kellett, Stanley D. McIntyre, Edward D. Medal, Kenneth L. Mitchell, James W. Poe and William B. Waits

30 Years - Joseph L. Bell, Richard C. Brunell Jr., Bert D. Dolerhie Jr., Danny R. Hightower, Carolyn Lundy, Lorraine K. Raby, Patricia R. Schultz and Billie K. Swinford

NASA selects Marshall proposal for cosmic ray feasibility study

By Sherrie Super

Led by Dr. James H. Adams Jr. of Marshall's Science Directorate, NASA is contributing to a European Space Agency-led investigation to conduct cosmic-ray research from the International Space Station.

Past investigations have recorded cosmic rays at energies so extreme their existence contradicts our understanding of astrophysics. To find the explanation, this investigation – named the Extreme Universe Space Observatory (EUSO) — would detect large numbers of these extreme-energy cosmic rays and measure their energies and arrival directions, using the entire Earth as a particle detector.

As these particles pass through the Earth's atmosphere, they interact creating showers of secondary particles that cause the air to scintillate. The scintillation light emitted by the air is bright enough to be observed by the observatory's large wide-angle camera from its vantage point on the Space Station.

Under this proposal, NASA would provide the optical subsystem for the camera and contribute to the investigation in other ways. NASA Headquarters on April 17 announced Marshall's selection for this Mission of Opportunity proposal, which will proceed with a phase A feasibility study.

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

O'Connor named associate administrator for safety

From NASA Headquarters

Bryan D. O'Connor, a former NASA Space Shuttle program director, astronaut and Marine Corps test pilot, was named associate administrator for the Office of Safety and Mission Assurance at NASA Headquarters in Washington.

He replaces Fredrick D. Gregory, who has been leading the Office of Space Flight since December.

O'Connor, 55, will be responsible for the oversight of all agency safety issues through the development, implementation and oversight of reliability, maintainability and quality assurance policies. He will report to NASA on June 3, 2002

"Bryan's distinguished career as both a naval aviator and NASA astronaut give him the perspective necessary to ensure the continued safety of our programs," said NASA Administrator Sean O'Keefe. "His attention and dedication to safety were signature characteristics during his NASA career, and I look forward to his stewardship of this vital office."

O'Connor was selected as an astronaut in May 1980 and is a veteran of two Space Shuttle missions. He was pilot on STS-61B in 1985 and crew commander of STS-40 in 1991.

Additional information on O'Connor is available at: <http://www.jsc.nasa.gov/Bios/htmlbios/oconnor-bd.html>



Director's Commendations awarded

Marshall Director Art Stephenson awarded five Director's Commendations recently to Center team members. In the left photo, Stephenson, left, presents Scott Savage a commendation for his leadership and innovation when he pulled together an impromptu Easter egg hunt for about 40 families and children when the scheduled hunt was canceled. Savage is employed by Cortez III and supports the Center Operations Directorate. In the right photo, Stephenson, left, awards commendations to Marshall team members in the Payload Operations Center whose work is resulting in in cost savings and enhanced capabilities. With Stephenson, from left, are Darrell Bailey, George Molloy, George Ritter and Ralph Elmore.



Photos by Terry Leibold

STS-109 crew recognizes Marshall team



Photo by Ray Downward



Photo by Dennis Olive

From left, Robert Moder, STS-109 pilot Duane Carey and Constance James.

From left, STS-109 astronaut Michael Massimino and Tony Pardon



Photo by Doug Stoffer

From left, Joseph Minow, STS-109 astronaut John Grunsfeld and Kenneth Smith.



Photo by Dennis Olive

From left, astronaut Michael Massimino and Robert Mason.



Photo by Doug Stoffer

From left, Patrick Haut, David Smith, astronaut John Grunsfeld, Richard Sawyer, Dhiela Burrows and Rose Petty.

members with Silver Snoopy and Team Awards



Photo by Doug Stoffer

From left, Curtis Sons, Gary Cole, astronaut John Grunsfeld, Joel Rivera and Jill Battles.



Photo by Doug Stoffer

From left, Kimberly Curtis, astronaut John Grunsfeld and Woodrow Ryan.



Photo by Jeff Wolfe

From left, Randy Sacks and STS-109 Commander Scott Altman.



Photo by Jeff Wolfe

From left, James Cole, Jeff Kolodziejczak, STS-109 Commander Scott Altman, Ewa Cizszak and Dennis Tucker.



Photo by Ray Downward

From left, George Weide, Donald Nelson, Randall King, STS-109 pilot Duane Carey, Harold Stewart and Jeff Lukins.

Economy

Continued from page 1

billion in today's dollar value.

In addition, during 2001, The Boeing Company spent approximately \$94 million in NASA funding in North Alabama for International Space Station hardware development.

Another \$47 million was spent by the Marshall Center for NASA programs where Marshall had a supporting role, and an additional \$18 million was spent on programs where Marshall performed work for other agencies.

Marshall received approximately 15.5 percent - or \$2.2 billion - of NASA's total budget of \$14.3 billion during fiscal 2001. By program areas, 73 percent of Marshall's budget was spent for Human Exploration and Development of Space, including Space Shuttle and Space Station activities; 26 percent for Space Science, Earth Science, Aero-Space Technology and Biological & Physical Research activities; and the about 1 percent was spent on Strategic Support of Marshall Center programs.

Also in 2001, approximately \$70 million in retirement annuities were paid to 2,460 Marshall retirees residing in Alabama. The 1,680 retirees in Huntsville and Madison received \$47 million of that amount.

Since the Marshall Center's creation, a total of \$5.2 billion in federal salaries have been paid. In 2001, Marshall civil service employees collectively paid about \$192 million in federal income taxes and about \$7 million in Alabama state income taxes.

At the end of September 2001, Marshall's permanent and temporary civil service employees totaled 2,740, including employees at resident offices at prime contractor facilities and at NASA's Michoud Assembly Facility near New Orleans.

Of that workforce, 2,262 were college graduates, with 1,487 holding bachelor's degrees. There were 183 employees with doctorate degrees and 592 with master's degrees in the fields of engineering and science — predominantly mathematics

and physics - as well as business administration and other disciplines.

During 2001, 23,653 contractor personnel were engaged in work for the Marshall Center, including 3,264 in mission support, 11,141 on prime contract work and 9,248 as subcontractors and vendors. Of the total, 6,878 worked in Alabama. Additionally, 463 contractors were associated with International Space Station work being done by Boeing in Huntsville, and 802 jobs were related to other NASA work supported by Marshall.

Also during fiscal 2001, approximately 62,000 people toured Marshall, including educators, conference and symposium visitors and news media.

Attendance at the U.S. Space & Rocket Center — Marshall's official NASA Visitor Center — was 341,411 for the year.

In addition, Marshall's education programs reached more than 84,269 students and 20,263 teachers and faculty representing all 50 states during the year.

And the Marshall Center donated \$5.5 million in research equipment and made some \$203 million in grants, contracts and cooperative agreements through its education programs. Marshall's education program also recorded 609 partnerships and collaborations with other federal, state and local programs, professional societies, nonprofit organizations, industry and contractor communities, and with all levels of the educational community, but primarily secondary education.

Continuing its ongoing work in the community, Marshall employees and retirees volunteered last year to participate in the NASA Project LASER (Learning About Science, Engineering and Research) Program, serving locally as speakers, tutors, consultants and science fair judges. Marshall's Educator Resource Center also distributed more than 113,014 pieces of

NASA-produced materials to the 5,711 educators it contacted through workshops, on-site visits and postal and electronic requests. Staff at the Educator Resource Center developed

and delivered 153 workshops and overviews to 1,408 teachers and home-school parents. Additionally, NASA's education programs reached more than 10.2 million participants electronically.

The Marshall Center also gives back to the community through monthly Red Cross Blood Drives - collecting 959 pints of blood in fiscal 2001 from civil service and on-site contractors - and by contributing to the Combined Federal Campaign — collecting \$559,703 in fiscal 2001, of which \$294,893 was designated to help agencies in Alabama.

As Marshall marks its 41st year in Alabama and looks to the future, the Center continues its role as a vital contributor to America's future in space — as well as to the economy of Huntsville and the state.

Cobb takes office as NASA inspector general

Following nomination by President George Bush and confirmation by the U.S. Senate, Robert W. Cobb was sworn in Monday as NASA's inspector general.

Cobb previously was associate general counsel to the President where he handled administration of the White House ethics program and was responsible for conflict of interest and disclosure clearance concerning candidates for nomination to Senate-confirmed positions.

Before he joined the White House in 2001, Cobb worked for the U.S. Office of Government Ethics.

Since 1978, the NASA Office of the Inspector General has worked to prevent and detect crime, fraud, waste and abuse. The Office has assisted NASA in promoting economy, efficiency and effectiveness in agency programs and operations.

In his new position, Cobb manages a staff of more than 200 auditors, investigators and analysts at NASA Headquarters and agency field centers.

Rockets' red glare lights up Marshall skies during Student Launch Initiative activities

On April 27, students from Johnson High School, Randolph School and Sparkman High School launched rockets they designed and built as part of NASA's Student Launch Initiative.

With these launches, the student teams demonstrated that they have successfully built reusable launch vehicles, which were key challenges of the program. These launches culminate more than a year's work by these students, their schools and sponsors and volunteers from the Marshall Center community.



Photos by Jeff Wolfe

Marshall Center Director Art Stephenson, left, discusses engine placement with Vince Huegele.



Randolph School's rocket streaks skyward.



Spectators keep their eyes on the rockets.



Sparkman High School students prepare their rocket for launch.

'Take Our Children to Work Day' at Marshall Center offers



Photo by Doug Stoffer

Omana Cawthon, seated, with daughters Iysha, left, and Geetha



Photo by Emmett Given

Leslie Curtis, left, and his son Derek inspect a circuit board.



Photo by Emmett Given

Sandy Presnell teaches her granddaughter Cory Scrivner about safety inspections.



Photo by Doug Stoffer

Bill Douglas and his daughter Rachel Fleener enjoy the kick-off breakfast.



Photo by Emmett Given

Angela Walker with her daughter Kristen.

glimpse of future opportunities for more than 700 children



Shade Murray and his daughter Lauren enjoy a break.

Photo by Doug Stoffer



Karen Bishop demonstrates how solid rocket boosters work during the 'Girls can be rocket scientists too' workshop.

Photo by Jeff Wolfe



Seated from left, Dorothy Holloway and Lena Andrews, and standing, from left, Shekira Holloway, Jasmine Miller and Mersadies Miller.

Photo Doug Stoffer



From left, Sheryl Kittredge and daughter Krysis.

Photo by Doug Stoffer



Marshall team member Alan Murphy assembles children together to illustrate how Space Shuttle propulsion works.

Photo by Jeff Wolfe

Review

Continued from page 1

Launch Initiative. "We're designing the complete system."

The recent review, called the Initial Architecture Technology Review, analyzed and evaluated competing second-generation reusable space transportation architectures and technologies against NASA and commercial mission requirements, as well as safety and cost goals.

Architecture refers to the complete transportation system design — that is, the vehicles and their components that fly into space, as well as the ground operations needed for launch. The transportation system design includes an Earth-to-orbit reusable launch vehicle (the Space Shuttle is the first-generation reusable launch vehicle); on-orbit transfer vehicles and upper stages to put satellites into orbits; mission planning; ground and flight operations; and support infrastructure, both on orbit and on the ground.

Three contractor architecture teams — The Boeing Company of Seal Beach, Calif.; Lockheed Martin Corp. of Denver; and a team including Orbital Sciences Corp. of Dulles, Va., and Northrop Grumman of El Segundo, Calif. — presented dozens of potential architectures for review. Following the review, each retained a handful of possible candidates for the nation's next-generation reusable space launch system.

The review allows the Space Launch Initiative to target investments and support what the program manager called the "up-front, homework part of the program" — furthering technologies to aid in the development of a second-generation reusable launch vehicle. Another review will be held in November to further narrow potential space transportation architectures to two or three choices.

"We're going to seek the final and best ideas from industry, academia and government," said Smith. With the final selection of an architecture, full-scale development of a reusable launch vehicle could begin around the middle of this decade.

Since propulsion systems require a long lead-time to design, develop, test and evaluate, it isn't surprising that propulsion analysis was a chief driver through the recently completed review activity.

"We spent a lot of time analyzing propulsion technologies," said Smith. "Among the outcomes is a focus on kerosene-fueled main engines." This focus is based on studies, conducted by the architecture contractors that examine performance of competing technologies in safety, reliability, cost and operability. Studies indicated that kerosene main engines have excellent potential to meet government and commercial needs. The second-generation vehicle will have a

two-stage-to-orbit propulsion system based on engines fueled by all kerosene, all hydrogen or a combination of kerosene and hydrogen.

Dependable, long-life engines, along with crew escape and survival systems, and long-life, lightweight integrated airframes are among the Space Launch Initiative's highest priorities. Each greatly impacts the program's bottom line of increased safety, reliability and cost effectiveness.

All NASA's field centers and the Air Force Research Laboratory are actively participating in the Space Launch Initiative. Additional information on NASA's Space Launch Initiative, including a list of the selected contractors, is available on the Internet at: <http://www.slinews.com/>

<http://www.spacetransportation.com/>

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

Energy tip

Weather stripping is a narrow piece of metal, vinyl, rubber, felt, or foam that seals the contact area between the fixed and movable sections of a window or door joint. It should be applied between the fixed and movable surfaces, but should not interfere with the operation of the window or door.

Job announcements

MS02D0060

Computer Scientist

GS-1550-14, Center Operations Directorate, IFM Integration Project Office. Closes May 6.

MS02D0075

Information Technology Specialist

GS-2210-14, Center Operations Directorate, IFM Integration Project Office. Closes May 6.

MS02D0078

Budget Analyst (Two vacancies)

GS-0560-12, 13, Office of Chief Financial Officer, IFM Core Financial Project Office. Closes May 3.

MS02D0079

Accountant (Two vacancies)

GS-0510-12, 13, Office of Chief Financial Officer, IFM Core Financial Project Office. Closes May 3.

MS02D0084

AST, Mission Operations Integration

GS-0801-14, Flight Projects Directorate, Payload Operations and Integration Department, Payload Operations Directors Office Closes May 13

MS02C0081

Supervisory AST, Aerospace Flight Systems

GS-0861-15, Science Directorate, Gravity Probe-B Program Office Closes May 3.

Center Announcements

Stephenson to appear on APTV's 'For the Record' Monday

Marshall Center Director Art Stephenson will be featured on the Alabama Public Television show "For the Record" Monday, May 6. The show will air from 6:30 to 7 p.m.

Discount Days at area Shoe Carnival Stores

All NASA employees, contractors and retirees will receive a 30 percent discount off the sticker price of any purchase by showing their NASA badge at Shoe Carnival stores located in Huntsville and Decatur. The discount is good May 3-5. For more information, contact Candy Bailey at 544-7565.

Disney/Epcot area hotel package discount

Executive Tour and Travel Services, Inc., is offering a discount hotel package to Marshall employees, retirees and friends for Disney and Epcot area hotels. The package includes a four day and three night stay for two adults and two children up to 12 years old for \$139 a night. Travel to Florida is not included. For additional information contact Executive Tour and Travel Services Inc., at (800) 272-4707, or Candy Bailey at 544-7565.

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.

Engineering Society meeting is May 23

The American Society for Engineering Management (ASEM) will meet May 23 at Papa Lovetti's at University Drive and Sparkman. The topic for this month's meeting is "Business Incubation" featuring guest speaker Joanne Randolph, president and chief executive officer of BizTech. The meeting is from 11:30 a.m.—1 p.m. Upon arrival, please pay the cashier and ask for the ASEM meeting. For more information, contact Kenneth Sullivan at (256) 313-6172.

Directives Control Board meeting set for Friday

Directives Control Board meeting will be held Friday from 9-9:30 a.m. in Building 4200, room 409. Control Board members (primary or alternate) should attend. Anyone who is to present documentation, comments, resolutions or status draft documents must attend.

Weight Watchers Open House

All Marshall employees are welcome to attend the Weight Watchers open house for anyone interested in joining or learning more about the program. The event will be held May 9 at the Fitness Center from 11:15 a.m. to 12:45 p.m. A new 15-week series will begin May 23, which costs \$159 for new and non-lifetime members. For more information, contact Rachael Thompson at 544-1525.

MARS Ballroom Dance Club lessons

The MARS Ballroom Dance Club is scheduling tango and mambo dance lessons, every Monday night in May. The lessons take place at St. Stephens Episcopal Church on Whitesburg Drive. Intermediate lessons are from 7—8 p.m. and beginners from 8—9 p.m. Tom Langford, certified dance instructor, will teach the classes. The cost is \$7 per person, per class. Call Woody Bombara at 650-0200 for more information.

'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.

Marshall to celebrate Asian Pacific American Heritage month May 8

Asian Pacific American Heritage Month celebrations takes place Wednesday, May 8, at Morris Auditorium. The theme for this year's celebration is "Unity in Freedom" and will feature cultural foods, a fashion show and dance demonstration. Guest speaker will be payload specialist Dr. Eugene Trinh. The event will be from 11:30 a.m. - 1 p.m. For more information please contact Willie Love at 544-0088.

Employee Ads

Miscellaneous

- ★ Four Indy 500 tickets, turn three, Row AA, \$75 each. 882-2928
- ★ Upright vacuum cleaner, 1 year old, \$50; medium sized microwave, used, \$10. 256-859-4582/256-653-2028 cell.
- ★ HP Deskjet 694C, color, \$50; ScanMaker X6EL, non-USB, \$50. 527-5765
- ★ Solid oak Sumter bedroom set; twin beds, dresser, chest-of-drawers, mattress set, 5 yrs. old, \$1,500. 722-5282
- ★ Gasoline edger, new, 1.5HP engine, asking \$120. 539-7857
- ★ Whirlpool heavy duty washer, \$75 obo. 256-420-2906
- ★ Craftsman 10" radial arm saw, \$300. 881-3353
- ★ Nordic Flex Gold home workout machine, includes all attachments, \$250. 864-2745
- ★ Multi-use Brother fax/printer/copier m/c, 1 yr. old, \$275.
- ★ King-size water bed, dresser w/mirrors, two nightstands, solid wood, \$650 obo. 464-0231
- ★ 1997 Sporter 883, custom flame paint, all chrome, hyper-charger, 8K miles, \$7,000. 828-1803
- ★ Kenmore washer/dryer, large, \$175; stereo speakers, 2 sets, \$50 ea.; baby stroller/ carrier/car seat combo, \$75. 851-2929
- ★ Honda HR214 self-propelled mower w/ bag, aluminum decking, runs but smokes, \$25. 650-5895
- ★ 2000 Honda Valkyrie Interstate, low miles, \$12,500. 828-3522/518-3554 beeper
- ★ Class II receiver and ball mount for Chevrolet Lumina, never used, \$75. 880-2645
- ★ LazyBoy rocker/recliner, Early American, gold fabric, wood arm rests, \$100. 256-881-1249
- ★ 2001 custom built H/D, duplicate of Billy Bike in movie Easy Rider, \$12,000. 776-2905
- ★ 2000 Suzuki Intruder LC 1500, black/ green, 14K miles, windshield, bags, rack backrest, light bar. 882-2973

- ★ Sofa & love seat, beige w/brown & orange pattern, American of Martinsville, used 2 years, \$350. 881-3661
- ★ Nintendo 64 system, \$50; games: Golden eye 007, \$20; Blitz, \$20; NBA Showtime, \$10. 895-9050/655-4596
- ★ Several hand woven oriental rugs; Waterford chandelier; Spode Trade Winds red china. 882-6832
- ★ MTD chipper/shredder, 5HP, \$250. 830-4846
- ★ Sony STR-DB940 home theater receiver, \$300. 205-647-4949
- ★ Large mini-bike, huge knobby tires, 6 HP, ridden 2 months, \$375 obo. 774-5716
- ★ Hybrid king-size water mattress w/heater, \$35 obo; cedar post platform, \$45 obo. 828-6213

Vehicles

- ★ 1998 Honda Accord LX, 4-door, 2.3L, auto, CD, 53K miles, black/gray, \$13,900. 464-3300
- ★ 1989 Olds Cutlass Supreme, black, original owner, records available, loaded, \$2,675. 852-5446
- ★ 1999 Pontiac TransAm, 6-speed, all-power, T-tops, 47K miles, \$17,500. 256-830-4846
- ★ 1999 Corvette Coupe, red, loaded, both tops, automatic, extended warranty, 20K miles, \$34,500. 325-3038
- ★ 1992 Nissan Sentra XE, 5-speed, 147K miles, AC, CD-changer, cruise control, \$1,295. 464-0256
- ★ 1980 Dodge Fleetwood Class C motorhome, sleeps 6, many upgrades, repairs, 75K miles, \$6,995. 464-9232
- ★ 1995 Ford Ranger king-cab, XLT, 4-cylinder, 5-speed, 95K miles, tilt, cruise, bedliner, \$4,950 firm. 256-753-2278
- ★ 1995 Toyota Camry, 6 cylinder, 127K miles, \$7,300. 353-3229
- ★ 1989 Dodge Caravan, burgundy, new tires, 143K miles, \$1,200. 232-0434
- ★ 1987 Toyota Supra, non-Turbo, 295K miles, no dents, head refurbished, \$3,000. 256-259-2582
- ★ 1993 Dodge Grand Caravan SE, one-owner, \$3,300. 895-9520
- ★ 2001 Toyota Corolla, automatic, a/c, AM/FM cassette, 4-door, 18K miles, \$10,900. 828-7429
- ★ 1983 GMC S15 Jimmy, new paint, engine

- and transmission replaced, \$1,800. 880-2373
- ★ 1991 Jeep Wrangler, in-line 6-cylinder, 4.0L, blue w/gray soft-top, 3 locking storage compartments. 256-778-8562 after 8 p.m.
- ★ 1996 Ford Windstar LX, 91K miles, non-smoker, loaded, white/gold/tan, \$7,500. 325-7542
- ★ 1999 Pontiac Grand-Am GT, V6, auto matic, 48K miles, PW/PDL, sunroof, CD, \$10,500. 771-0950
- ★ 1999 Pontiac TransAm, 6-speed, all-power, chrome sheels, T-tops, 47K miles, \$17,500. 830-4846
- ★ 1979 Mercedes 450SL, black w/tan leather, 80K miles, both tops w/hardtop hoist, \$13,000. 837-5862
- ★ 1997 Nissan Quest XE, V6, automatic, PW/PD/PM, tilt, cruise, rear a/c, 88K miles, \$7,800. 256-586-9813

Wanted

- ★ First day issue stamps. 881-6595
- ★ Railroad ties, about 10. 461-8369

Found

- ★ Men's watch in Medical Center parking lot on 4/22/02. Call 544-2390 to claim
- ★ Ring in front of Bldg. 4705. To claim/ identify, call 544-7003
- ★ Two pair of sunglasses. Call 544-3623 to claim/identify
- ★ Small black plastic purse w/handles, Ralph Lauren, Polo Sport printed on front, left at S.H.E. Workshop April 25, Rm. P110/Bldg. 4200. Call 544-4802 to claim/identify

Lost

- ★ Power cord for Revo/Pride electric mobility scooter, REWARD. Call 544-1659 or 544-7686
- ★ Man's ring with rectangular red stone, in vicinity of new gym. 461-0482

MARSHALL STAR

Vol. 42/No. 33

Marshall Space Flight Center, Alabama 35812
(256) 544-0030
<http://www1.msfc.nasa.gov>

The Marshall Star is published every Thursday by the Internal Relations and Communications Department at the George C. Marshall Space Flight Center, National Aeronautics and Space Administration. Contributions should be submitted no later than Monday noon to the Marshall Internal Relations and Communications Department (CD40), Bldg. 4200, room 101. Submissions should be written legibly and include the originator's name. Send electronic mail submissions to: intercom@msfc.nasa.gov The Marshall Star does not publish commercial advertising of any kind.

Manager of Internal Relations
and Communications — Steven Durham
Editor — Jonathan Baggs

U.S. Government Printing Office 2002-733-060-20096

Permit No. G-27
NASA
Postage & Fees PAID
PRE-SORT STANDARD