

# MARSHALL STAR

Serving the Marshall Space Flight Center Community

Aug. 26, 2004



Photo by David Higginbotham, Marshall Center

## Marshall Center hosts Transformation Dialogue Show

Lynn Cline, center, NASA deputy associate administrator for Space Operations and Mary Kicza, right, NASA associate deputy administrator for Systems Integration, joined Center Director David King, left, at Marshall for the third Transformation Dialogue Show. The panel discussed alternative organization models and answered questions from the audience and those submitted by e-mail.

## Marshall director names new managers

NASA's Marshall Center Director David King has named managers to lead new organizations created in a recent realignment, a transformation intended to position the Center to implement NASA's space exploration mission.

"These managers are all strong leaders who will enable the Marshall Center to successfully support NASA's Vision for Space Exploration," said King.

Named to fill the newly created positions are:

- Craig Seabrook, Business Development Director
- Dr. Paul M. Munafò, former manager of the Materials, Processes and Manufacturing Department, has been named assistant director for Safety & Engineering
- Anthony R. Lavoie, former director of Flight Projects Directorate, has been named director of Space Systems Programs/Projects Office

See *Managers* on page 3

## Marshall student programs get high return on investment

By Tory Neiwert

Sarah Stephens from Scottsboro High School and Rhut Vasavada from Grissom High School designed a rocket engine proto-type to test fuel alternatives for the next generation of NASA spacecraft.

Nicholas Case, a sophomore at Calhoun Community College in Decatur, Ala., worked on genetic algorithms for future avionic applications such as unmanned space flights to Mars and beyond.

These students are just three of 56 high school and undergraduate students to participate in NASA's Summer High

School Apprenticeship Research Program (SHARP) and Undergraduate Student Research Program. Having completed the programs, the participants are back in school sharing their experiences with their teachers and peers.

"It was the most fun work I've ever done," said Stephens. "It really gave me insights into what I want to do for the rest of my life."

The mentoring programs allow high school and college students the opportunity to work on real NASA projects with a NASA scientist or engineer.

"Everyone benefits," said Marshall Education specialist Julie Mills. "Students

receive real-world experiences while NASA receives the best and the brightest students."

SHARP and the Undergraduate Student Research Program encourage students to obtain degrees in math, science

and engineering with the hope that students will return to work for NASA after graduation, Mills said.



Case

See *Students* on page 3

# King discusses leadership lineup for Marshall Center

Thanks for your support and patience over the past several months. I know the Marshall Team was eager to learn the names of those who would be responsible for leading the directorates and offices of the strategically aligned Marshall Center. Your ability to stay focused in the midst of change is a testament to your commitment to Marshall's critical and exciting work and you are to be commended.

The reason for a strategic alignment is clear: The Vision for Space Exploration is our new frontier and transforming NASA became essential.

Aligning the Center with the goals and objectives of the Agency — and creating a new foundation of excellence that is forward thinking and based on sound business decisions — is the right direction for Marshall. It is also essential because of our critical work with the Space Shuttle and the International Space Station.

## Director's Corner



David King  
Marshall Center Director

The process for selecting our new leadership lineup was long and arduous. Each candidate had outstanding qualifications and talents. After months of interviews and careful consideration, the team was selected based upon the specific skill sets each brought to the table — skills that are a good fit in our new organizational structure.

Our new leadership team is eager to get the ball rolling, and I know I can count on you to support them. I appreciate the turnout at the Marshall Update on Aug. 20. Your participation is evidence of your genuine interest in the direction Marshall is taking to build our future.

Your role and your continued commitment to excellence will be key in helping Marshall turn goals into reality. Thank you for your dedication, and again, thank you for your support and patience.

## Women achievers honored at luncheon

### 'Star' Gazing

From the MSFC  
History and Archives  
Files

Forty years ago this week, the *Marshall Star* reported that the Marshall Center "will purchase 102 additional J-2 rocket engines for the Saturn IB and Saturn V launch vehicle programs. Rocketdyne began development of the J-2 liquid hydrogen-liquid oxygen fueled engine for NASA in September 1960 under the management of Marshall." The Saturn IB and Saturn V rockets were used in the Apollo program that eventually landed humans on the lunar surface in 1969.

Four women from the Marshall Center, recognized by their peers for their job accomplishments, were honored Thursday at the annual Women's Equality Day luncheon.

Army Col. Mari K. Eder, deputy chief of Public Affairs, spoke at the event at the Redstone Officers' and Civilians' Club.

The Marshall recipients are Dr. Helen Cole of the Science Directorate; Sandra Turner, chief of protocol; and Kathleen Lundy, management support assistant in the Engineering Directorate. Angelia Walker, manager of the Safety, Reliability and Quality Assurance Policy and Assessment Department, was selected as the Federal Women's Program Supervisor of the Year.

The Marshall Center joined with other federal agencies to observe the day that was enacted to commemorate the passage of the 19<sup>th</sup> Amendment to the U.S. Constitution and to call attention to women's continuing efforts toward full equality.

Their peers ranked the award recipients on their total accomplishments while working as federal employees. Those categories included job performance and increasing responsibilities; significant accomplishments in the public sector or community interests; awards; leadership; mentoring; self-development; and ability to work well with others.



Cole



Turner



Lundy



Walker

## Managers

*Continued from page 1*

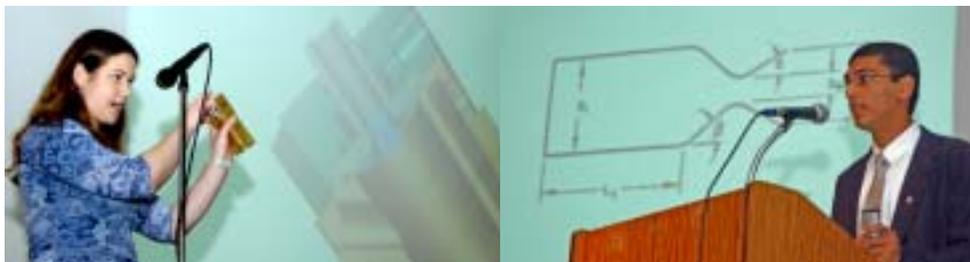
- James M. Ellis, Director of Chief Information Office
- Tereasa H. Washington, former director of the Customer and Employee Relations Directorate, has been named director of the Office of Human Capital
- Teresa B. Vanhooser, former deputy director of the Flight Projects Directorate, has been named co-deputy of the Engineering Directorate
- Chris E. Singer, former acting director and deputy director of the Space Transportation Directorate, has been named co-deputy of the Engineering Directorate

Named to lead new laboratories and departments within the Center's Engineering Directorate are:

- Ann R. McNair, Mission Operations Laboratory
- Steven D. Pearson, Instrument & Payload Systems Development Department

## Students

*Continued from page 1*



**Sarah Stephens, left, and Rhut Vasavada give their final presentations during the SHARP closing ceremonies.**

Photo by Emmett Given

It appears to be a success.

Stephens plans to study physics at North Carolina State in Raleigh, and then return to NASA to design engine ports. Vasavada hopes to attend Duke University in Durham, N.C., to study bio-medical engineering. Case intends to continue his education at the University of Alabama in Tuscaloosa, pursuing a bachelor's degree in aerospace engineering.

"I've learned a lot of things through SHARP and the Undergraduate Student Research Program that I would never have the opportunity to learn in the classroom," said Case, who participated in SHARP in the summer of 2003 before entering the Undergraduate Student Research Program this year. "These programs have made me hungrier to do well in school so that I can return to work for NASA full time."

According to NASA statistics, the Marshall Center's Undergraduate Student Research Program produces the highest return

ment

- Pedro I. Rodriguez, Test Laboratory
- C. Preston Jones, Propulsion Systems Department
- Jack Bullman, Spacecraft & Vehicle Systems Department
- M. Ralph Carruth, Materials & Processes Laboratory

The Marshall Center is a key leader in NASA's efforts in development of space transportation and propulsion systems and technologies, as well as microgravity research, advanced optics manufacturing technology and manages all of the Space Shuttle's propulsion systems.

In June, NASA Administrator Sean O'Keefe announced a transformation of NASA's organization structure to streamline the agency and position it to better implement the Vision for Space Exploration. The Vision calls for the return of the Space Shuttle to flight, completion of the International Space Station, and human and robotic exploration of the Solar System.



Photo by David Higginbotham, Marshall Center

### **Jennings speaks at luncheon**

**James Jennings, NASA associate deputy administrator for Institutions and Management, spoke Aug. 18 at the Marshall Association luncheon. He discussed NASA's culture change and One NASA.**

on investment than any other NASA center. The return is calculated by productivity, research and the number of students hired by NASA and industry partners. Recently, five Undergraduate Student Research participants were hired by NASA's industry partners, two are in the process of being hired, five have submitted patents, and many more have co-authored research papers for professional journals.

Stephens and Vasavada worked with mentors James Richard and Richard Sheller on the Auxiliary Propulsion Project Team in the Space Transportation Directorate's Mechanical Design Group. Case worked in the Engineering Directorate's Avionics Department with mentor Anthony Kelley.

"Marshall mentors make this possible," said Mills. "They are on the frontline inspiring the next generation of explorers."

*The writer supports the Media Relations Department.*

# Safety and Mission Assurance takes employees to the Big Island

Safety and Mission Assurance Directorate team members donned their grass skirts, floral shirts and grabbed a pineapple for the annual Employee Appreciation Day festivities Aug. 4 in Bldg. 4316. Dr. Jan Davis, director of the Safety and Mission Assurance Directorate, presented two Director's Awards. Several employees also received length of service and employee appreciation awards. Support contractor, Hernandez Engineering, picked up six employee appreciation certificates. A barbecue lunch, hula dancing demonstration and a best dressed contest rounded out the activities.



David Spacek, left, and Marcie Kennedy, right, show off their Director's Awards presented by Dr. Jan Davis, center, director of the Safety and Mission Assurance Directorate.



Herb Zollar, left, takes the Surf Board Trophy from Rosalynne Strickland after winning the best dressed contest.



Photos by Doug Stoffer, Marshall Center

Team members, from left, Paul Johnson, Donald Dugal, Will Quinn, Roy Malone and Linda Clark take a hula lesson from Linda Myszka.



Will Quinn shows off his coconut bowling prowess.



Scott Jackson shows his winning moves in the limbo contest while Roy Malone, left, deputy director of the Safety and Mission Assurance Directorate, and Liz Lyons, right, hold the bar.

# Announcements

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## **NASA vs. Army in softball all-star exhibition game**

NASA's Marshall Center will battle the Army at Redstone Arsenal in an all-star exhibition softball game as part of the Linton Field re-dedication ceremony. The event is 6 p.m. on Aug. 31 at Linton Field at the intersection of Patton and Gray roads on Redstone Arsenal. The winner will hold the title "Arsenal-wide 2004 Softball Champion." For more information, call Victor Pritchett at 544-5771.

## **Marshall Center Technology Expo is Sept. 1**

The Marshall Center Technology Expo will be from 10 a.m. - 2 p.m. on Sept. 1, in Bldg. 4203, Room 1201. Several exhibitors will demonstrate the latest in integrated voice and data communications, multimedia projectors, business enterprise solutions, automated storage solutions and many others. The expo is sponsored by the Office of the Chief Information Officer. For more information or to request a company or technology, call Kristen Johannessen at 888-603-8899, ext. 214.

## **Combined Federal Campaign to hold silent auction**

The 2004 Tennessee Valley Combined Federal Campaign is gearing up for this year's campaign by holding a silent auction in October. Team members are asked to support the campaign by donating or collecting items for the auction. All donors will receive official acknowledgement for any items or services they provide. For more information, call Maria Clark at 313-7620 or 876-9143.

## **Retail Supply Store is in new location**

The Retail Supply Store has moved to Bldg. 4471.

## **Marshall Fun Day is Oct. 2 from 10 a.m. to 2 p.m.**

The annual Marshall Center Family Fun Day will be from 10 a.m. to 2 p.m. Oct. 2 at the Marshall picnic grounds. Games, entertainment, concessions, food, soft drinks and bottled water will be offered for one price. Tickets are \$8 for children ages 4 to 12 and \$12 for ages 13 and older until Sept. 24. After that date ticket prices will increase. There is no cost for ages 3 and under. Tickets may be purchased from the Internal Relations and Communications Department in Bldg. 4200, Room 101; the Space Shop in Bldg. 4203; or administrative officers. Retirees may also purchase their tickets by mail from the Internal Relations department. For more information, call 544-1382.

## **Fitness area and weight room to reopen Aug. 30**

The Wellness Center's fitness area and weight room will reopen Aug. 30 after being closed while a fire suppression system was installed. The basketball courts, racquetball courts and locker rooms remain open.

## **Repairs have begun on Patton Road bridge overpass**

Repairs began this month on the Patton Road bridge overpass at Martin Road. The repairs were needed to replace three steel beams that support the bridge deck. During the repairs, Patton Road bridge and the two eastbound lanes of Martin Road will be closed to all traffic. The repair work should continue until about mid-October.

## **Management Operations Office retirees to meet on Thursday**

The Management Operations Office retirees will meet for brunch at 10 a.m. on Thursday at the Cracker Barrel Restaurant in Madison. For more information, call 539-0042.

## **Unified Account Management System is available for use**

Marshall Center employees can now request accounts on the Web instead of using paper forms --- MSFC Form 4194, MSFC Form 4434, and IFM SF1700 --- by accessing the Unified Account Management System (UAMS). Users are able to request modification to existing accounts and request that accounts be deleted. The UAMS Web site is <https://arsweb.msfc.nasa.gov/uammmainmenu.asp>. Paper forms will still be accepted during the transition period. For more information, call the NASA Information Support Center at 544-HELP, option 0.

## **Toastmasters meet Tuesday**

The Lunar Nooner Chapter of Toastmasters meets each Tuesday at 11:30 a.m. in the cafeteria of Bldg. 4610.

## **Mars Golf League tournament set for Saturday**

The MARS Golf League will have a four-ball (two-person best-ball) tournament at Goose Pond Colony Saturday. Entry fee is \$42 and is due at the time of entry. Entry fee also covers green fee and mandatory cart fee. For more information or to enter the tournament, call Robert Rutherford at 544-8117.

## **Retirement reception for Mike Savage is Friday**

A retirement reception honoring Mike Savage for more than 42 years of federal service will be held at 1 p.m. Friday in Bldg. 4663, HOSC Main Conference Room A164. The reception is hosted by the Ground Systems Department of the Flight Projects Directorate. For more information, call 544-3788.

# Classified Ads

## Miscellaneous

Igloo doghouse, molded plastic, for large dog, \$25. 353-3229  
 Remington 7MM bolt action rifle, Bausch & Lomb scope, leather shoulder strap, \$650. 256-551-0276  
 CZ452 American .22 rifle w/Weaver 4-16x42 target dot scope, Burris rings, w/boxes, \$550. 931-993-7768  
 Mobile home electric hook-up w/flex conduit, \$90; Weed eaters. \$20/\$10; Norcent DVD player, \$35. 961-9359  
 Obrian's shalom skis w/bag, \$100. 828-7013  
 Alabama football tickets, 4 each, Utah State & Western Carolina, Sec. U3-P, Row 21, \$30 each. 655-3065  
 Cleveland 460 launcher, 9.5 degree driver, Graf-alloy blue regular shaft, new Winn grip, \$200. 656-0461  
 Matching camel back style couch and love seat, navy/burgundy/green, \$450. 468-4406  
 Computer desk w/hutch, 53" wide w/keyboard drawer, walnut, \$50. 256-797-3487  
 Membership to Lily Flagg Club, pool/tennis, \$700. 883-9361  
 Bama tickets, two for Utah State, Old Miss, Western Carolina, face value. 776-2263  
 Glass reptile tank, 55 gal., & two tank stand, 37Lx28Wx30H, \$75. 828-8630  
 Craftsman and Remline toolbox on casters, w/numerous assortment of handtools, \$600. 350-2708  
 Used wood clarinet, \$125; Silver plated flute, \$100. 539-9521  
 Blue metal bunk beds, \$75; Yamaha snare drum w/hard shell case and stand, \$150. 774-8064  
 Colt 45 automatic pistol, carry case, owner's manual, Colt walnut grips, & 3 magazines, \$320. 882-6947/Derek  
 Full/queen headboard, 2 night stands, chest-of-drawers, dresser w/mirror, \$450; Glass top dining table, \$90. 426-8001  
 Compaq computer 2266, 300Mh, Windows 98, CD-ROM, 17" monitor, \$100. 355-6648  
 Lowboy kerosene heater w/adjustable electric blower, 29"x32", \$100. 852-5446 after 5 p.m.  
 Ludwig 5-piece drum set w/cymbal &

stool, \$120; water-filled & hanging punching bags, \$40 each. 464-9408  
 Drum sticks, practice pad, beginning drummer's video, \$25. 890-0755  
 Clayton Marcus sofa & loveseat, \$375; Ethan Allen hard rock maple occasional tables, \$65 each. 379-3546  
 Audiobahn 12" subs, 750-watts, \$350; Halo angel eyes headlights for 94-97 Honda Accord, \$150. 830-6584  
 1998 Sea-ray boat, 18', Model 180, Mercruiser w/trailer, low hours, \$12,000. 256-858-2392  
 Wood china cabinet, 3-glass upper doors, 3-wooden lower doors, approx. 4'Wx6'H, \$150. 256-232-4168  
 Sony RXD7AV 5-speaker, 220-watt, bookshelf surround sound system, Dolby pro-logic decoder, 5.1 channel inputs, \$50. 256-777-4439  
 Registered black & white paint mare, English or Western, \$2,800. 508-7388  
 Cushcraft A3S 3-element HF beam, used 2-years, \$275; Bencher RJ2, chrome base, CW key, \$85. 931-703-5956  
 Compound bow, High Country, sights, arrow rest, Quiver, ready to hunt. 256-586-4971  
 1997 LaZBoy sofa and loveseat, navy, burgundy, green, gold plaid, both recline, \$400. 837-0037  
 ATI TV tuner card, \$20; ATI 8MB video card, \$10; PIII 500MHz processor, \$40. 765-532-4218  
 Older electronic organ and bench, pickup in South Huntsville, \$175. 508-4370

## Vehicles

2001 F150 Lariat, \$17,500; 2002 Honda Shadow, 6k miles, \$5,000; Polaris ATV, \$1,800. 881-9753  
 1999 Lexus ES300 w/78k miles, new Michelin tires, \$14,000. 256-881-8046  
 1997 GMC Jimmy, 2WD, 184k miles, automatic, SLE, needs transmission work, \$3,000. 536-6495  
 2003 Toyota SR5, 4x4, 5-speed, 2,500 miles, white, \$17,500. 256-962-2584  
 2001 Audi A6 Quattro AWD, 2.8L, Michelins, alloy, champagne, BOSE theater, leather, 56k miles, \$22,000. 880-0749  
 1994 Toyota Camry, 162k miles, keyless entry, 5-speed, auto transmission.

51 8-9803  
 1995 Harley Davidson Fatboy, many extras, 25k miles, \$13,000. 679-0481  
 2000 Pace Arrow Vision, 36', 25k miles, 2-slides, nonsmoking, Xwarranty, \$70,000. 256-852-7180  
 1986 Honda Goldwing Aspencade GS1200, fully loaded, 43k miles, \$5,800. 345-9258  
 1995 Fleetwood Storm bus model mobile home, v8, 43k miles, generator, air/heat, extras, \$30,000. 256-766-3243/Florence  
 2000 Mitsubishi Montero Utility Sport Limited, most options, one-owner, records, approx. 87k miles, \$14,100. 683-3745  
 2001 Toyota Corolla S, black, auto, a/c, 39mpg highway, all-power, 98k miles, \$6,500. 256-426-2516  
 1986 Pontiac Grand Prix, 84k miles, all-power, gray, \$3,195. 256-776-4331  
 1999 Pontiac TransAm, navy blue metallic, charcoal leather, 5.7L/v8, auto, T-tops, 70k miles, \$16,500. 256-353-9020  
 1990 Camaro RS, 350TPI, exterior good, interior needs work, motor need tweaking, \$2,500. 931-762-5846  
 1973 Volkswagon SuperBeetle, 87k miles, tan, \$2,500. 828-3128  
 2002 Chrysler Town & Country LXI minivan, 17.3k miles, white w/taupe interior, leather, Michelins, all-power, \$17,995. 880-7490

## Wanted

Large dog igloo. 468-4406  
 Good used dirt bike. 881-0883  
 Jack Russell puppy, male or female. 256-572-3574  
 Color camera phone (Verizon), good condition. 256-0572-3574

## Free

Puppies, 6 weeks old, 5 males, 2 females, mixed breed, half black & tan hound. 256-335-5896

## Classified Ad deadline to change

Beginning with the Sept. 9 issue of the *Marshall Star*, all classified advertising must be submitted by 5 p.m. on Friday to be included in the next week's issue.

# MARSHALL STAR

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