

MARSHALL STAR

Serving the Marshall Space Flight Center Community

April 3, 2003

Innovation by two Marshall Center employees named NASA Commercial Invention of the Year

Marshall news release

A software technology, proven to be invaluable for law enforcement investigations, and a mathematical method, received NASA's Commercial and Government Invention of the Year Awards.

The Video Image Stabilization and Registration System (VISAR) received NASA's Commercial Invention of the Year. The basis for this innovative technology was created by two Marshall Center employees — Dr. David Hathaway, a solar physicist, and Paul Meyer, an atmospheric scientist — to aid their space-program research.

In response to an FBI request for assistance, this video enhancement technology was developed into VISAR. It was first used in 1996 to help the FBI analyze video of the bombing at the

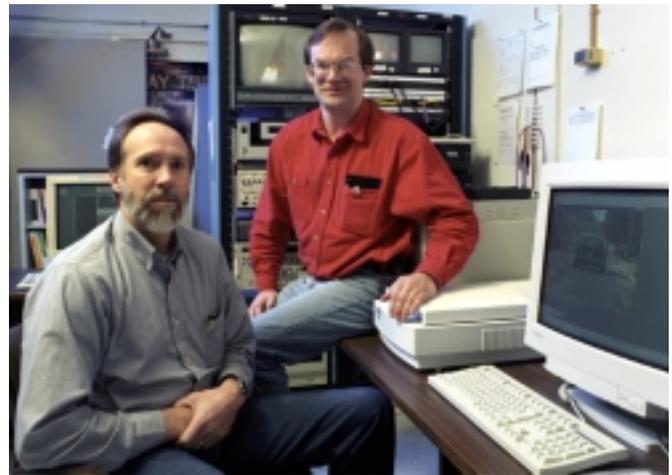


Photo by Dennis Olive, NASA-Marshall Center

Dr. David Hathaway, left, and Paul Meyer.

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Lon Miller, general manager of the Jacobs Sverdrup group at the Marshall Center, receives the George M. Low Award trophy from NASA Deputy Administrator Fred Gregory.

Jacobs Sverdrup wins George M. Low Award

by Sarah G. Lincoln

The Jacobs Sverdrup group at the Marshall Center was named the 2002 NASA George M. Low Award honoree in the Large Business Services category.

The award was presented recently at the NASA Annual Continual Improvement and Reinvention Conference in Washington.

Jacobs Sverdrup was a finalist for the national Low Award in 2000 and 2001, and has been named the Marshall Center's Contractor Excellence Award winner in this category for the past three years.

The company is the prime contractor on the Engineering, Sciences and Technical Services contract at Marshall and has more than 400 employees working primarily on-site at Marshall. The Jacobs Sverdrup group at Marshall includes subcontractors

Marshall Imaging Services

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Procurement Office holds annual awards celebration

The Marshall Center's Procurement Office recently held its annual awards luncheon to honor employees for outstanding accomplishments in the last year.

This year's award theme was "Procurement turning the Past Into a Vision of the Future." In addition to honoring its employees, special tribute was paid to former NASA astronauts, including Dr. N. Jan Davis, director of the Flight Projects Directorate at the Marshall Center.

Procurement's team members participated in a production showcasing NASA and Marshall history from the 1960s to the present.

Awards were presented in various categories that included the Peer Honor Award — recognizing an individual who



Photos by Doug Stoffer, NASA/Marshall Center

Portraying one of the popular girl groups of the early '60s at the Procurement awards ceremony are, from left, Eunice Adams, Sharon Rice and Artra House.



Lynn Doughty



David McGaha



Jeff Jackson



Dennis Parton



Earl Pendley



Alice Sams



Mike Sosebee



Carol Terrell



Andrea Tobias



Kim Whitson



Jim Young

has made outstanding contributions to the Procurement Office as recognized by their peers.

Ten of the award winners also were nominated for the annual NASA-wide Procurement awards administered by the Office of Procurement at NASA Headquarters in Washington.

The following team members were recognized:

- Simplified Acquisition Specialist of the Year – Dennis Parton.

- The Mid-range/Commercial Person of the Year – Carol Terrell.

- Grant Specialist of the Year– Andrea Tobias.

- Procurement Analyst of the Year – Jim Young.

- Procurement Support Person of the Year — Lynn Doughty.

- Contracting Officer's Technical Representative of the Year -- David McGaha. Receiving honorable mention were Craig McArthur, Mark Fisher and

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Innovation

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Olympic Summer Games in Atlanta. Since then Hathaway and Meyer have worked on more than a dozen criminal cases with police and the FBI.

VISAR works by turning dark, jittery images captured by home video, security systems and video cameras in police cars, into clearer, stable images that reveal clues about crimes. It does what other image stabilization processes cannot, correct for changes in orientation and size. The system is also being used in the Space Shuttle Columbia Accident Investigation.

The winner of the NASA Government Invention of the Year is a mathematical method called Computer Implemented Empirical Mode Decomposition Method,

also known as the Hilbert-Huang Transformation (HHT) Method. Dr. Norden E. Huang, Director, Goddard Institute of Data Analysis at NASA's Goddard Space Flight Center, Greenbelt, Md, invented it.

The HHT Method has many diverse applications. The Method can be applied in a variety of fields to study things such as: basic nonlinear mechanics, climate cycles, solar neutrinos variations, earthquake engineering, geophysical exploration, submarine design, structural damage detection, satellite data analysis, nonlinear wave evolution, turbulence flow, blood pressure variations and heart arrhythmia.

This Method is also used to analyze sea surface temperature data collected by NASA satellites and instruments. The

National Oceanic and Atmospheric Administration uses Huang's method to analyze images from some of its Earth orbiting spacecraft. It has proven successful in connecting environmental changes to El Nino phenomena with weather changes.

Huang also won NASA's Exceptional Space Act Award in 1999, for which he was cited, "as having invented one of the most important applied mathematical methods in NASA's history," for his invention of the HHT Method.

For additional information on VISAR, please visit the Marshall Center News Web site at:

<http://www1.msfc.nasa.gov/NEWS-ROOM/news/photos/2000/photos00-257.html>.

Award

Continued from page 1

Allied Aerospace, ERC, Morgan Research, Qualis Corp. and Raytheon. The company has been the prime contractor on this contract at the Marshall Center since 1989.

The George M. Low Award is NASA's oldest and most prestigious Quality and Excellence Award. It is given to contractors who demonstrate an exceptional level of quality, safety, customer satisfaction and technical performance in NASA-related contracts. Each Center submits

nominees for the award in several categories. The winner is exempt from future Low Award applications for three years.

"It's a wonderful award to receive," said Lon Miller, general manager of the Jacobs Sverdrup group at Marshall. "This exemplifies the partnership we have with the Marshall Space Flight Center."

The company has won other national NASA awards recently, including the 2001 Goldin-Stokes Mentor Protégé

Award for its work with Qualis, a small business subcontractor. This pairing was the first of its kind under the NASA Mentor Protégé Program at Marshall. The Jacobs Sverdrup group at Marshall also was a co-winner of the 2001 NASA Software of the Year Award.

Jacobs Sverdrup, headquartered in Tullahoma, Tenn., is a wholly owned subsidiary of Jacobs Engineering Group in Pasadena, Calif.

The writer is a consultant to the Jacobs Sverdrup MSFC Group.

Marshall Easter Egg Hunt is Saturday

The Marshall Center's annual Easter Egg Hunt will be Saturday, April 5 at the Marshall Picnic grounds. In case of rain, the hunt will be held inside the Activities Bldg. 4316. Registration begins at 1:30 p.m., with the egg hunt at 2 p.m. for children up to 10 years old.

Employees must register any family members in the Visitor Management System if the family members will not be attending with a badged employee.

To register a non-badged family member, go to <http://co.msfc.nasa.gov/ad50/pts/vms.html>.

For more information, call Janie Crawford at 544-0514 or Gabrall Yeldell at 544-1382.



Assisting the Easter Bunny for the Marshall Center's Easter Egg Hunt are, from left, Janie Crawford, Melody Levert, Gabrall Yeldell and Betty Humphery.

Photo by Doug Stoffer, NASA/Marshall Center

Huntsville Air show features the Blue

NASA, Marshall exhibits help celebrate 'Centennial of Flight'

The U.S. Navy's Blue Angels brought their world-renowned jet demonstration to the Huntsville International airport March 29-30 as part of an air show that also showcased NASA and Marshall exhibits.

Cloudy skies and cold temperatures didn't keep the crowd away, as thousands turned out for the show on both days.

The Marshall Center featured International Space Station and microgravity science exhibits, as well as displays on this year's "Centennial of Flight" celebration.

NASA exhibits included the Johnson Space Center's "Space Station Imagination" comprised of two 48-foot trailers linked to form a mock-up of two modules of the International Space Station.



Photos by Terry Leibold, NASA/Marshall Center

The U.S. Navy Blue Angels fly over the crowd in precision formation.



The Reynolds family of Harvest enjoys the show.



Christopher Kegley looks at life science experiments inside the International Space Station exhibit.



A Navy F-14 Tomcat rolls down the runway while a crew member shows the colors.

Angels, NASA and Marshall exhibits



Marshall Center Director Art Stephenson, left, and NASA astronaut Dominic A. "Tony" Antonelli watch the aerial demonstrations.



NASA's "Super Guppy" draws a curious crowd. The aircraft ferry's International Space Station modules to Kennedy Space Center when they are ready for launch.



Marshall team member Bob Jaques, center, helps explain the Marshall Center's role in the space program.



Mitchell Stease tries out the Microgravity Glove Box exhibit.



Air show visitors line up to see "Space Station Imagination," a mock-up of part of the International Space Station.



The Blue Angel pilots on the flight line.

Procurement

Continued from page 2

Elizabeth Sudderth.

- Contract Specialist of the Year – Earl Pendley and Mike Sosebee.
- Contract Manager of the Year – Jeff Jackson.
- Procurement Supervisor of the Year – Kim Whitson.



Kathy Rice belts out a song.

Steve Morris, Gary Bugbee, Kellie Craig, and Penny Battles.

“Great Attitude” certificates went to Rita Mason, Lisa Duncan, Cathy Moore, Anna Stovall, Tammy Balch, Dennis Parton, Bessie Smith, and Betty Kilpatrick.

Receiving Certificates for “Dangerous Display of Initiative”

- Peer Honor Award – Alice Sams.

“We also presented Procurement Office certificates to our employees for ‘Going the Extra Mile,’ ‘Great Attitude,’ ‘Dangerous Display of Initiative,’ ‘Safety Awareness,’ and ‘Practicing Good Values,’” said Stephen P. Beale, director of the Procurement Office. “Our present procurement family has such a great wealth of talent in it that recognition in addition to the 10 annual awards was essential.”

The “Going the Extra Mile” certificates went to Jerre Burgreen, Jane Maples, Vanessa Lindsey, Rhoney Triplett, Sandra Johnson,



Feeling “groovy” at the awards luncheon are, from left, Tyler Cochran, Vann Jones and Dennis Parton.



Roxanne Melton, left, and Walt Melton, right, make an appearance as “Sonny and Cher.”

were Pam Napoletano, Pam White, Melinda Dodson and Eunice Adams.

“Practicing Good Values” certificates were given to Amy Campbell, Mike Sweigart, Bobby Holden, Dave Seborg, Howard Nelson and Paul Pickett.

“Safety Awareness” certificates were given to Beth Shelton, David Iosco, Glen Alexander and Harry Craig.

Obituaries

Oakley S. Anderson, 88, of Southport, Fla., died March 28. Burial was in Greenwood Cemetery in Panama City.

Anderson was born in Southport on Sept. 13, 1914.

He served as petty officer first class in the U.S. Navy during World War II. After the war, he finished his degree in business from Northwestern University in Chicago. He held many positions in private industry before joining NASA at Michoud in New Orleans in 1962 as an accountant. He was transferred to the Marshall Center in 1967, where he

worked in the Financial Management Office. He was the widower of Jeanne Anderson. He retired from NASA in 1976, and moved back to Panama City in 1978.

He was active in the National Association of Retired Federal Employees, his church, and other community organizations.

He is survived by his wife, Kay; two sons, Donald C. Anderson of Louisville, Ky., and Jeffrey S. Anderson of Prospect, Tenn.; four grandchildren; and four great-grandchildren.

Job Announcements

MS03C0066, Integrated Financial Management Advisor. GS-501-14, Center Operations Directorate, IFM Integration Project Office. Competitive Placement Plan. Closes April 4.

MS03C0068, Contract Specialist. GS-1102-13, Procurement Office. Competitive Placement Plan. Closes April 8.

Photos by Doug Stoffer, NASA/Marshall Center

Center Announcements

Annual 'Software of the Year' competition nominations open

The annual call for nominations for the NASA Software of the Year Award is open until April 18. The award is for recognition of software developed and owned by NASA. The recognition includes a Space Act award of up to \$100,000. For details, see "Inside Marshall" or call 544-0013 or 544-0014.

FAPAC national leadership conference registration open

The 18th annual Federal Asia Pacific American Council National Leadership Training Conference will be May 12-16 in Arlington, Va., and Washington, D.C. Registration is due by April 26. For more information, go to conference@fapac.org or <http://www.fapac.org>.

AIAA annual Section Award nominations open

The American Institute of Aeronautics and Astronautics Alabama-Mississippi Section 2002-2003 Annual Section Awards nominations are open until April 18. The awards will be presented at the annual Officers and Board of Director Installation and Awards Banquet on May 15. For more information, see "Inside Marshall" or call Steve Noneman at 544-2048.

Facilities Office breakfast meeting is Tuesday

Facilities Office retirees, current employees and friends will meet for breakfast at 8 a.m. Tuesday at Shoney's on University Drive at Memorial Parkway in Huntsville. For more information, call Carl Gates at 232-2695.

Von Braun Astronomical Society meets Saturday

The Von Braun Astronomical Society will present "The Spring Skies" at 7:30 p.m. Saturday at the Wernher von Braun Planetarium in Monte Sano State Park. Admission for non-members is \$3

for adults and \$2 for children 12 and under. For more information, call Mitzi Adams at 961-7626.

Tickets available for UNCF Banquet

The 25th Annual United Negro College Fund Banquet will be at 6:30 p.m. April 17 in the North Hall of the Von Braun Center. Tim Reid of UPN's television comedy "Sister, Sister" will be featured guests. Music will be provided by electric violinist Michael Ward. Tickets cost \$75 and can be purchased at www.oakwoodcollegeunconf.org or call Chanel Leslie at 544-3740.

New print servers added to IDS Utilities at Marshall

Three new print servers have been added to the IDS Utilities folder at the Marshall Center. Employees should delete their current installed printer and then install their printer from one of the new servers. The old print server will be retired April 30. For print queues of the new servers, see "Inside Marshall." Call 544-HELP, Option 7, for questions regarding how to load the print queue.

Lunch-time prayer group open

A lunch-time prayer group is forming to meet from noon-12:30 p.m. Tuesdays and Thursdays. For more information, call Johnnie Wilson at 544-1007, Deborah Wills at 544-4525 or Terrell Boyd at 544-8294.

MARS Soccer Club registration open, season starts Tuesday

Participation in the MARS Soccer Club is open to all Marshall team members. The club is looking for players interested in starting new teams or joining current teams. For more information, call Andy Heaton at 544-3839.

Leadership seminar open

A leadership seminar, "Leading in Difficult Times," featuring Rudy Giuliani, former mayor of New York, will be offered via a taped broadcast April 17

from 10 a.m.-noon in the Self-Study Learning Center, Bldg. 4200, Room G13-E. Seating is limited. To register, e-mail the name of the seminar, your full name and phone number, to self.study@msfc.nasa.gov.

SHE seeking volunteers for study on medical conditions

The Safety, Health & Environmental Wellness and Ergonomics Subcommittee is gathering information about annual physicals offered by the Marshall Medical Center. If you have a testimonial regarding a previously undetected medical condition that was discovered during your annual physical, e-mail Joel Best at Joel.B.Best@nasa.gov or Beth Skidmore at Elizabeth.L.Skidmore@nasa.gov.

Marshall Safety Culture Training set for April 16

Two classes in Marshall Safety Culture Training will be offered April 16. The first class will be 8 a.m.-noon and the second class is 12:30 p.m.-4:30 p.m. Go to the SHE Home Page or see "Inside Marshall" to register.

Dial-in and VPN requires security registration

Marshall team members who use the Virtual Private Network software to connect to the Marshall Private Network, or who dial directly into the network from home or TDY, must apply for a MSFC RSA SecurID Token in April, May or June. For more information, including frequently asked questions and an updated schedule to apply, go to http://www1.msfc.nasa.gov/INSIDE/announcements/dial_in_token.html.

Center Activities Building available for multiple uses

The Center Activities Building, Bldg. 4316, is available for a variety of uses including briefings, meetings, receptions, seminars, parties, receptions, and school or civic events. For more information, see "Inside Marshall."

Employee Ads

Miscellaneous

- ★ Youth bedroom furniture; 2-nine piece sets, oak or white, \$600 per set. 882-1696
- ★ Siberian Iris, \$5 per clump; Torchiere lamp and floor lamp, polished brass, \$25 each. 881-6040
- ★ Canary bird cage, new bird cage stand, number of accessories, \$50 for all. 534-5653
- ★ King-Kutter rear PTO driven mower, 72", \$750; 2001 Yamaha YZ250F dirt bike, 4-stroke, \$3,650. 256-651-4683
- ★ Toshiba DVD player, \$50. 256-828-7013
- ★ Two Jet Skis: 1993 Waveblaster and 1991 VXR650, plus trailer, \$2,800. 256-461-9182
- ★ Twenty foundation vents, tan vinyl, \$2 each or \$35 for all. 837-8087
- ★ Monogram Space Shuttle Model kit, 1/72th, complete stack w/booster and ET, \$70. 881-8265
- ★ Kenmore extra capacity gas dryer, auto or timed dry, white, \$125 obo. 379-4677
- ★ MTD 38" mower, 12.5HP, \$400; NordicFlex gold, \$100; temporary utility pole, \$50. 895-0148
- ★ Rabbit hutch w/removable bottom, bin feeder, water bottle & litterbox, \$35. 828-4502
- ★ Lowe pontoon boat, 24', 92 Model, 48HP Evinrude motor, \$5,500. 256-734-7200
- ★ Rossi 357 ss, \$325; Colt 22 ss, target, \$350; 35 caliber Marlin 336, \$250. 256-710-6956
- ★ Zenith 27" stereo color TV, \$150. 539-7857
- ★ Ten cent Coke machine, needs a key lock, \$700 obo. 489-3008/Greg
- ★ Grizzly G1029 dust collector, many accessories, less than 1 hr. use, \$350. 880-9754
- ★ Taurus Titanium 44 spc revolver, ported 20 oz., \$325. 430-3413 after 6 p.m.
- ★ 2002 Komfort Karry-All, 5th wheel w/ garage, skybox, Super Slide, self-contained, generator, \$38,999. 883-5955
- ★ Trailer, built for 4-wheeler, aluminum,

- load ramps, \$700. 534-5398
- ★ Weight bench, dumbbells, curling bar and metal weights, \$70. 694-9610
- ★ Piano, upright, with bench, \$500. 256-859-1947
- ★ Bookcase/office set, 6 pieces w/ matching crown & base molding, \$1,000. 518-8018
- ★ 2001 John Deere LT133 riding mower w/mulching adapter, 13HP, 38" cut, \$1,200. 256-881-6154
- ★ Murray mower, 13.5HP w/grass catcher, \$400; Tiller, MTD, rear tine, 5HP, \$350. 256-586-7424
- ★ 1984 Stratos 284 Bass boat, 1998 150HP-OMC, 12/24 trolling motor, 2-lcr, 3-new batteries, \$8,500. 233-3407
- ★ Generator, 5500, 10HP twin, less than 30 minutes run time, \$450. 519-6836 after 5 p.m.
- ★ Hitachi/Intergraph 19" CAD monitor, Model HM-4520-D, 1600x1200 Max Res., w/cable, \$350. 256-753-2700
- ★ New ATI Radeon 7000 64Mb video card, \$46; ATI Rage 32Mb video card, \$20. 489-0136
- ★ Chrome winch bumper, \$75; Holley carbs, 600/650 CFM, \$45 each; Chevy SB intake, \$25. 683-9364
- ★ Old Apollo Command Module model kit. Large kit, never assembled and complete w/box. \$50. 306-0700/303-3702

Vehicles

- ★ 1998 Chevrolet truck, S-10, V6, auto, 3-door, extended cab, loaded, \$6,750. 256-753-2278
- ★ 1972 Boise motorhome, 32K miles, \$5,000; 1980 Datsun 200SX, 5-speed hatchback, \$1,500. 256-881-9150
- ★ 1999 Chevrolet Monte Carlo Z34, black, one-owner, 7.8K miles, power seat,
- ★ 1988 Mazda B2200 extended cab truck, SE-5, 5-speed, one-owner, 133K miles, \$1,850. 650-5895
- ★ 2001 Chevy S-10 Xtreme, loaded, V6, \$12,500. 828-3181
- ★ 1998 Toyota Tacoma extended cab, SR5 package, green, \$8,500. 509-9550

- ★ 1998 Toyota Tundra extended cab, SR5 package, green, 190K miles, \$8,500. 509-9550
- ★ 1997 Cadillac Concours, black/tan leather interior, \$10,000. 256-721-7351
- ★ 1996 Honda Accord EX, white, leather, all-power, sunroof, AM/FM tape/CD, 91K miles, \$7,800. 971-3102/461-0176
- ★ 1997 Jeep Wrangler Sport, 4x4, green w/tan soft top, 4.0L/6 cyl., 5-speed, 80K miles, \$8,500. 882-7350
- ★ 1997 Ford Thunderbird, 4.6L, leather, sunroof, CD, keyless entry, one-owner, 67K miles, \$5,950. 721-3945
- ★ 1999 Chevrolet Monte Carlo Z34, 7.8K miles, power seat, air, pw/pl, \$10,450. 881-0377
- ★ 1997 Firebird convertible, 40K miles, black, CD changer, \$10,000. 256-325-1490
- ★ 1995 Ford F350 XLT extended cab dually, pwr-stroke diesel, 123K miles, new tires, \$9,900. 353-8120

Wanted

- ★ Witness to accident outside Gate 9, Tuesday, March 25, 2:30-3 p.m., please call 852-5644
- ★ Rainbow vacuum system in good condition. 776-9684

Lost

- ★ Filigree white gold loop earring, 1" diameter, vicinity of Bldg. 4481 or 4201. 544-7817

Found

- ★ Prescription glasses in Bldg. 4203, Rm. 2416, silver frames, black ear pieces. 544-1708
- ★ Keyless entry device for automobile, Bldg. 4203. Call 544-3623 to identify.

Free

- ★ Large quantity of salvaged bead board, 3" X 1/2", random lengths. 534-4968

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