

MARSHALL STAR

Serving the Marshall Space Flight Center Community

Aug. 8, 2002

U.S. Senate confirms Frederick D. Gregory, NASA's first African-American Deputy Administrator

Astronaut to serve as NASA COO

The U.S. Senate on Thursday, Aug. 1 confirmed Frederick D. Gregory as NASA Deputy Administrator. Gregory, a veteran Space Shuttle commander who previously served as the Associate Administrator for Space Flight, is set to become the agency's first African-American deputy.

The Senate will now send the confirmation back to the White House for the President's signature. Gregory must be sworn into office before he assumes his new position.

"I couldn't be happier for Fred. His considerable experience as an astronaut

and aviator, and his leadership in space flight safety are needed at this critical time for the agency," said NASA Administrator Sean O'Keefe. "This is a busy time for the U.S. Senate and I'm delighted Fred's nomination was given brisk consideration. I appreciate the efforts of Senator Fritz Hollings and Senator Ron Wyden, both of whom acted in NASA's best interest in expeditiously guiding Fred's nomination through the confirmation process."

It's the first time in more than a decade that the Deputy Administrator position has been filled. Gregory will serve as the chief operating officer for the agency and report

directly to Administrator O'Keefe. He will be responsible for directing and managing many of the programs as well as the day-to-day operations and activities at NASA.

Before being named Associate Administrator for Space Flight in December 2001, Gregory served as Associate Administrator for Safety and Mission Assurance and was charged with the oversight of all safety issues within NASA. He developed, implemented and managed quality assurance policies that dealt with reliability and maintainability.

"This is an incredible opportunity," Gregory said after hearing of the Senate's

See Gregory on page 3

Nation's 'Teachers of the Year' visit Marshall

by Celeste Atkins

The nation's top teachers – chosen by their peers – recently spent a week-long space "mission" in Huntsville taking part in mission training, mission simulation and dozens of other events at the U.S. Space & Rocket Center – all courtesy of NASA Headquarters and the Marshall Center.

From July 27 to Aug. 2, the 52 "Teachers of the Year" got a chance to learn what it's like to live and work in space. National Teacher of the Year Chauncey Veatch of Palm Desert, Calif., and the other honorees also were recognized for their dedication to their profession.

During the week, teachers participated in a number of events designed to spark their interest in the nation's space program. The schedule included lectures from

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Center Director Art Stephenson welcomes teachers from across the nation to Huntsville for the annual "Teacher of the Year" event. See photos on pages 8-9.

Photo by Doug Stoffler, NASA/Marshall Center

'Freedom to Manage' designed to remove barriers to more efficient management

Editor's note: This is the second in a series of Marshall Star articles on "The President's Management Agenda." This article examines work in progress on the "Freedom to Manage" Section.

by Mike Wright

The Marshall Center is encouraging all employees to contribute to a Presidential initiative designed to break down barriers to more efficient management.

The Center, as well as all of NASA, is participating in The Freedom to Manage initiative put forward by President Bush as part of the President's Management Agenda.

"We are really determined to use this initiative to improve the way we manage and the way we do business at the Marshall Center," said Marshall Center Deputy Director Jim Kennedy.

Kennedy is leading a Freedom to Manage Task Force at Marshall to identify and stimulate needed changes to allow for more effective management.

"We've already taken several steps forward on this and received some terrific input. But to make the process even better we want to hear from more employees," Kennedy said.

Marshall initially identified 53 items considered as impediments to good management. A Freedom to Manage Task Force, including representatives from Marshall and other Centers,

aggressively analyzed these issues and others that were raised by the workforce.

Some of these changes will require changes in legislation while others can be instituted by changes within the agency.

NASA has already implemented numerous changes that range from elimination of restrictions on travel to the delegation of significant human resource authorities to the centers. In addition, 18 legislative provisions have been sent to Congress.

To contribute to the process by offering Freedom to Manage reform suggestions or to learn more about changes being considered, go to Inside Marshall and click on the Freedom to Manage link.

"The President's Management Agenda very clearly states that a principal goal of this Administration is to remove barriers to more efficient management, with the expectations of improved accountability and performance," Kennedy said.

"This Freedom to Manage initiative is central to the President's commitment to deliver higher performance throughout government," he said. "We want employees to visit the F2M website on Inside Marshall and help us identify those rules, regulations or procedures that they consider as impediments to good management."

The writer is the Marshall Center historian.

Teacher

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astronauts and scientists about space exploration, the International Space Station, the Space Shuttle and current NASA research.

Highlights of the week included: "Countdown to a Dream," a presentation by astronaut Mike Mullane, a workshop on teaching space in the classroom, a discussion on how an astronaut prepares for a space mission, a water survival aviation challenge, a look at rocket construction, and an overview of the history of flight.

NASA's annual Teacher of the Year event gives educators first-hand knowledge of the impact of space exploration on our everyday lives. Teachers, like Marilyn Herz of Rapid City, S.D., called the event a "learning experience extraordinaire." Herz, who visited the Marshall Center in 2001 as a Teacher of the Year participant, said, "I am now so much more aware of the benefits we have on Earth because of space flight and exploration."

Bringing teachers together to learn about space science is just one of many ways the Marshall Center and NASA fulfill a shared commitment to educational excellence. In turn, teachers who visit the Marshall Center and the U.S. Space & Rocket Center often become advocates for the space program, helping students learn the value of space exploration while inspiring

them to seek careers in math, science and engineering.

"Educators have one of the world's most important jobs," said Art Stephenson, director of the Marshall Center. "Marshall salutes their hard work and dedication to children. NASA's new mission statement dedicates the Agency to 'inspire the next generation of explorers,' and we believe that partnering with teachers is vital to this element," Stephenson said.

Teachers of the Year are selected by each state's education department based on nominations from other teachers in their local school districts. The program, which began in 1952, is considered the top honor in recognizing and rewarding teaching excellence.

More information on educational opportunities at Marshall Center can be found at <http://education.msfc.nasa.gov/>

A complete list of the 2002 Teachers of the Year can be found at <http://www.ccsso.org/ntoy/2002/ntoyst2002.html>

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

'Family Fun Day' set for Aug. 17

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

Activities include exhibits, games, face painting, golf chipping, a NASCAR-style racing simulator and dunking booth as well as a children's stage with a magic show and a kiddie korral for ages three and under. Musical entertainment will be provided by Abstract and Gryphon.

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

For more information visit <http://picnic.msfc.nasa.gov>

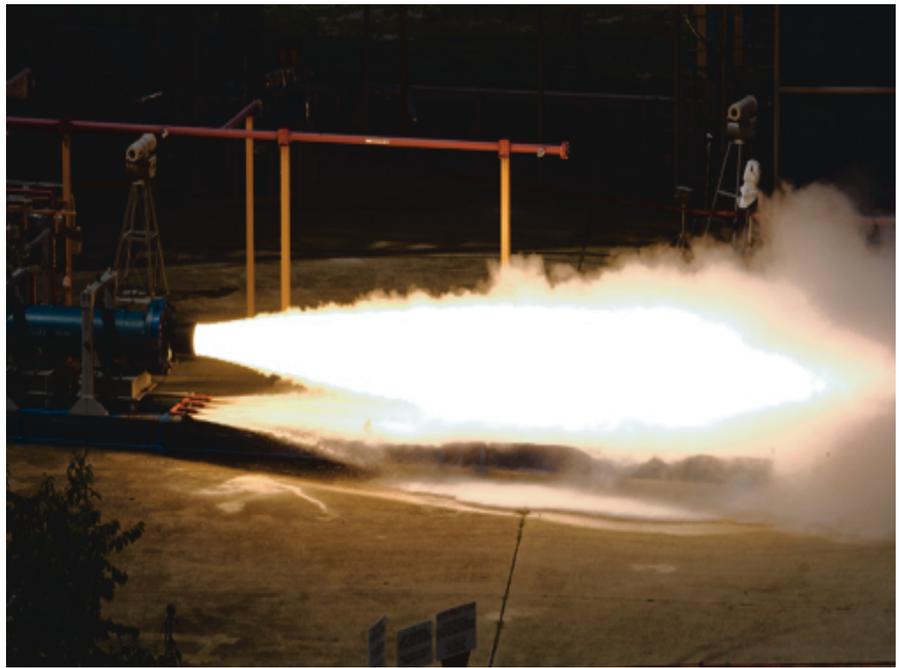


Photo by Jeff Wolfe, NASA/Marshall Center

Material tested for rocket motor

A 24-inch Solid Rocket Motor test was conducted by the Space Transportation Directorate last Thursday testing a new material that may be used on the Solid Rocket Motor's nozzle. The rocket motor was designed by the Engineering Directorate.

Job announcements

MS02C0182, Executive Support Assistant (OA). GS-303-7,8 (promotion potential to GS-9), Office of the Director, MSFC. Closes Aug. 8.

MS02C0194, Program Analyst. GS-343-13, Science Directorate, Business Management Office. Closes Aug. 9.

MS02N0196, AST, Technical Management GS-801-13 (reassignment only), Customer and Employee Relations Directorate, Government & Community Relations Department. Closes Aug. 14.

MS02C0197, AST, Electronic Instrumentation Systems GS-0855-14 (competitive placement plan), Space Transportation Directorate, Test and Evaluation Department Measurement Group. Closes Aug. 15.

MS02D0198, Outreach and Communications Specialist GS-301-12 (delegated examining unit (DEU - open to everyone), Customer and Employee Relations Directorate, Government and Community Relations Department. Closes Aug. 16.

Gregory

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vote. "I appreciate the President's confidence and I'm thankful for the Senate's speedy consideration. We have a lot of work to do and I'm confident we'll be able to continue NASA's historic legacy of accomplishment."

As a NASA astronaut, Gregory logged more than 455 hours in space during three Space Shuttle missions. In 1985, he served as pilot on board Challenger during STS-51B. Gregory was mission commander for STS-33 in 1989 and STS-44 in 1991.

Gregory was selected as an astronaut in 1978, after a distinguished career with the U.S. Air Force. He logged nearly 7,000 hours in 50 types of aircraft, including 550 combat missions over Vietnam. He retired as a Colonel in December 1993.

Gregory has been awarded the Legion of Merit Defense Superior Service Medal, two Distinguished Flying Crosses, the Defense Meritorious Service Medal, the Meritorious Service Medal, 16 Air Medals, The Air Force Commendation Medal and three NASA Space Flight medals.

His honors also include the NASA Distinguished Service Medal, the NASA Outstanding Leadership Award, the National Society of Black Engineers Distinguished National Scientist Award, the George Washington University Distinguished Alumni Award and an "Ira Eaker Fellow" by the Air Force Association.

Marshall team members cited for research, patent and technology awards

Editor's note: Marshall team members were recognized in recent NASA and Marshall Center Honors Award ceremonies for their work in research, patent and technology areas. They were some of the more than 250 employees receiving awards.

NASA Certificate of Appreciation

"Project NOAH"

Tim W. Baldrige, AD
Richard A. Helmick, AD
Owen H. Johnson, AD

Terry M. Luttrell, AD
Joseph L. Pirani, AD
Elizabeth C. Sudderth, AD
Bessie H. Whitaker, AD

NASA 2002 Women of Color All-Stars

Robbie Hood, Science Directorate

MSFC Research and Technology Award

Ken Cooper, ED
Suzanne M. Dorney, TD
David Edwards, ED
Michael R. Effinger, ED
Perry Gray, ICRC
Ricky A. Hall, TD
Whitney Hubbs, ED
Raj K. Kaul, ED

Ron Litchford, TD
Curtis Manning, ED
Jody L. Minor, ED
Stanley T. Oliver, ED
Carrie Olsen, FD
Barry C. Roberts, ED
Sandeep R. Shah, ED
Charles Sisk, SD

Steve Skelley, TD
Joanne M. Terek, ED
Michael L. Tinker, ED
Kevin Tucker, TD
Michael D. Watson, ED
Jeffrey S. West, TD
John T. Wiley, Jr., TD

MSFC Technology Transfer Award

PoShou Chen, IIT Research Institute
Thomas K. Delay, ED
Daniel J. Dorney, TD
Suzanne M. Dorney, TD
Lisa R. Hughes, LS
Carl G. Justus, CSC

Jonathan A. Lee, ED
Paul L. Luz, SD
James J. McGroary, LS
Donald L. Roxby, RVS Data matrix
Harry F. Schramm, CD

MSFC Invention of the Year

Charles S. Cornelius (Retired)
Neill Myers, TD
Michael David Shadoan, UP
David L. Sparks, UP

MSFC Software of the Year

John W. Bailey, SvT
Kimberly Holt, TD
Alok Majumdar, ED
Paul Allen Schallhorn, SvT
Todd E. Steadman, SvT
Katherine VanHooser, TD
Saif Warsi, ERC

Issued Patent Awards

Dean Alhorn, ED
Michael Book, ED
Thomas Bryan, ED
Jonathan Campbell, FD
Robert Carter, ED
Charles Cornelius, Retired
Richard Cloyd/ ED
Richard Counts, Retired
Thomas Delay, ED

Henry Dennis, Jr., TD
Jeffrey Ding, ED
David A. Hissam, TD
Richard Holmes, SD
David Howard, ED
Richard Howard, ED
Jeffrey Lackey, TD
Timothy Lawrence, ED
Randal McNichol, ED

Neill Myers, TD
Warren Peters, TD
Tony Robertson, TD
Michael Shadoan, UP
William Sims, TD
Dennis A. Smith, ED
David Sparks, UP
Eric Taylor, TD
Bruce Weddendorf, Former NASA Employee



Energy tip

For an interactive site which calculates your home energy costs, go to <http://www.homeenergysaver.lbl.gov/>. Just enter your ZIP code and compare energy costs of an average home in your ZIP code area with one that is energy efficient. You can customize your home to obtain a close match with your yearly energy bill. The site suggests upgrades to your home to conserve energy.

The comparison speaks for itself. A 43 percent savings in energy bills is significant for the example of an average home in Huntsville. What are the energy conservation opportunities in your home?



Photo by Emmett Given, NASA/Marshall Center

STS-111 crew view Solid Rocket motor test

The crew of STS-111 visited Marshall Aug. 1. and viewed the Solid Rocket Motor firing in the East Test Stand area. From left are Pilot Paul Lockhart and Commander Kenneth Cockrell. Not pictured is Mission Specialist Franklin Chang-Diaz. See test photo on page 3.

STS-111 astronauts present Silver Snoopy Awards to Marshall team

Ten members of the Marshall team received Silver Snoopy Awards from the Shuttle Mission STS-111 astronauts during their visit to the Marshall Center Aug. 1.

Shuttle Commander Kenneth Cockrell, Pilot Paul Lockhart and Mission Specialist Franklin Chang-Diaz presented the awards to Marshall team members who have made significant contributions to the space program.



Mike Rorex, left, of Hernandez Engineering, receives an award from Commander Kenneth Cockrell.



At left: Pilot Paul Lockhart, left, presents an award to Morris Burns of ED12.

Photo by Ray Downward, NASA/Marshall Center

At right: William Till, left, of ED26 and Todd Mullins, right, of SD11 are presented with Silver Snoopy awards from Mission Specialist Franklin Chang-Diaz, center.



Photo by Doug Stoffer, NASA/Marshall Center

At right: Kenneth Johnson, left, of Pace & Waite receives a Silver Snoopy Award from Pilot Paul Lockhart.



Photo by Ray Downward, NASA/Marshall Center



Photo by Adeline Byford, NASA/Marshall Center

Teledyne Brown's Daniel Jett, left, and Bob Powell, right, accept a Silver Snoopy from Chang-Diaz.



Photo by Emmett Given, NASA/Marshall Center

Commander Cockrell, right, presents an award to Mahmoud Naderi of VS20.



Photo by Ray Downward, NASA/Marshall Center

Frank Thomas, right, of ED23 receives an award from Pilot Lockhart.

Teacher of the Year event honors educators, offers lessons on space

Over 50 teachers across the nation were nominated as Teacher of the Year and attended International Space Camp in Huntsville July 27-Aug. 2.

The annual event offers lectures, workshops and educational information on the space program that teachers can take back to their classrooms.



Photo by Doug Stoffer, NASA/Marshall Center

National Teacher of the Year, Chauncey Veatch, center, of Palm Desert, Calif., was honored at the 2002 International Space Camp at the U.S. Space & Rocket Center.



Photo by Doug Stoffer, NASA/Marshall Center

At left: Dressed in space suits, Teachers of the Year national and international delegates enjoy a ceremony luncheon.

At right: U.S. delegates from the National Teacher of the Year wore costumes representing their state. The Tennessee delegate, third from left, dressed as Elvis.



Photo by Doug Stoffer, NASA/Marshall Center

At right: Alease Sims, right, of the Education Resource Center, briefs some of the Teachers of the Year delegates on the resources that are available to educators at NASA.



Photo by Doug Stoffer, NASA/Marshall Center



At left: International delegates from the Republic of Korea display their nation's flag during the opening ceremonies of the International Space Camp.

Photo by Doug Stoffer, NASA/Marshall Center

Emmett Given: a case of the tricked photographer

While Marshall photographer Emmett Given, center, is often privy to the secret list of Silver Snoopy recipient names as he accompanies astronauts on their surprise rounds, last week one name was cleverly missing: his own! Told that a colleague was to be honored, Given stood poised with eye to his viewfinder to capture the special moment. "I think we've really achieved the goal of surprise this time," said STS-111 Commander Kenneth Cockrell, right, who presented the Snoopy, "because the award winner isn't one of you sitting down... It's Emmett." Truly surprised, Given thanked his co-workers for making his job one he "would do all over again, given the chance." With Given is his friend, Linda Riley. Given has been taking other people's pictures at Marshall for 14 years.



Photo by Doug Stoffer, NASA/Marshall Center

NASA to study lightning storms using high-flying uninhabited vehicle

by Sherrie Super

To better understand both the causes of an electrical storm's fury and its effects on our home planet, NASA and university research scientists are using a tool no atmospheric scientist has ever used to study lightning — an uninhabited aerial vehicle.

The research is part of the Altus Cumulus Electrification Study (ACES), a collaboration among the Marshall Center; the University of Alabama at Huntsville; NASA's Goddard Space Flight Center, Greenbelt, Md.; Pennsylvania State University, University Park; and General Atomics Aeronautical Systems, Inc., San Diego.

Based at the Naval Air Station Key West in Florida, researchers are chasing down thunderstorms using an uninhabited aerial vehicle, or "UAV" -- allowing them

to achieve dual goals of gathering weather data safely and testing new aircraft technology. The team launched their first research flight Sunday, Aug. 4, using the UAV to overfly the Florida Everglades — reaching altitudes of up to 50,000 feet.

"What we learn has the potential to help forecasters improve weather prediction, especially for storms that may produce severe weather," said the study's principal investigator, Dr. Richard Blakeslee, a NASA atmospheric scientist at the Global Hydrology and Climate Center in Huntsville. "Also, by learning more about these individual storms, we hope to better understand weather on a global scale.

"Using the aerial vehicle, we will make electric, magnetic and optical measurements of the thunderstorms, gauging elements such as lightning activity and the electrical environment in and around the storms," explained Blakeslee. "At the same time, ground-based radar and satellite observations will provide detailed information on the cloud properties and storm severity."

This ground- and satellite-based data will include details on lightning flash rate, amount of precipitation and speed of updraft - providing a comprehensive view of the storm from the ground, as well as from the sky.

By learning more about individual storms, scientists hope to

better understand the global water and energy cycle as well as climate variability. The study also will provide federal, state and local governments with new disaster-management information for use during severe storms, floods and wildfires.

In the process, researchers will learn more about UAV aircraft and how they can be used for future research missions. "The UAV is an exciting new technology," said Blakeslee. "By getting

this close to storms, we're demonstrating the promise of using uninhabited aerial vehicles for meteorological applications."

"The mission is using the Altus UAV — built by General Atomics Aeronautical Systems - chosen for its slow flight speed of 70 to 100 knots (80 to 115 mph), long endurance, and high-altitude flight (up to 55,000 feet)," said ACES project manager Tony Kim of the Marshall Center.

"The Altus boasts a wing span of 55 feet." These qualities give the Altus aircraft the ability to fly near thunderstorms for long periods of time, allowing investigations to be conducted over the entire life cycle of storms.

The Altus overcomes the limitations of conventional aircraft that, because of their greater speed, provide only brief snapshots of storm activity sandwiched between long periods of no observations.

As part of NASA's Uninhabited Aerial Vehicle-based, science demonstration program, these flights also will demonstrate this aircraft's ability to carry Earth-viewing scientific payloads into environments where pilots would be exposed to potentially life-threatening hazards.

"In the summer, Florida is the best location in the United States to study thunderstorms because the large number of storms that occur there should provide frequent opportunities to observe them," said Blakeslee.

The mission is part of NASA's Earth Science Enterprise, a long-term research effort designed to help us better understand and protect our home planet, while inspiring the next generation of explorers.

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



Tony Kim, left, and Dr. Richard Blakeslee test aircraft sensors that will be used to measure the electric fields produced by thunderstorms.

Photo by Doug Stoiffer, NASA Marshall Center

Center Announcements

All Hands meeting with Administrator O'Keefe

There will be an All Hands meeting with Administrator Sean O'Keefe on Aug. 15 from 10-11 a.m. in Morris Auditorium, Bldg. 4200. All Marshall civil servant and contractor employees are encouraged to attend.

Marshall Retirees Association offering university scholarship

Students who are descendants of a Marshall Center retiree can apply for the NASA-MSFC Retirees Association Scholarship at the University of Alabama in Huntsville. The \$1,000 scholarship will be awarded for the academic year beginning in the fall. For more information, call UAH Student Financial Services at 824-2755.

Did you once race a moonbuggy?

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

WebTADS training notice

NASA Administrator Sean O'Keefe has requested that time keeping be delegated to the employee level. Training is now available to Marshall employees on WebTADS timesheet entry and NASA standardized policies. The WebTADS training team will be contacting the administrative officer or management support assistant of each organization to coordinate training dates and location. The training sessions will last approximately two hours and will include timekeeping standardized policies and a WebTADS system navigation demonstration. Labs will be available as needed for additional practice. Administrative officers or management support assistants should call Pam Vaughn at 544-9372 for additional information.

NASA Ski Week reservations being accepted

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

NASA Bowling League meeting

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

AMPET Conference registration now open

All Marshall team members are invited to attend the fifth Conference on Aerospace Materials, Processes and Environmental Technology (AMPET) on Sept. 16-18 at the Von Braun Center. Registration is open and must be completed by Sept. 2. Civil servants interested in attending the conference must submit a Conference Form 1265 to CD20-ITI/Linda Law. There is no charge for civil servants. The cost for contract employees is \$345 per person. On-line registration and on-site registration is available for non-Marshall employees. For more information, go to <http://ampet.msfc.nasa.gov> or call Linda Law at 544-3930.

LEARN for Weight Management

Civil servants and contractors interested in finding out about a 16 week lifestyle change program called LEARN (lifestyle, exercise, attitudes, relationships, nutrition) are invited to attend an orientation at the Wellness Center in Building 4315 on Aug. 28 at 9 am. Spaces are limited and priority is

given to civil servants who can take the class free of charge. Any remaining spaces are offered to contractors for \$30. Excused leave is granted to those participating in the class, which consists of one hour, once a week, for 16 weeks. The day and time of the class is decided upon by the class.

IMFP Expo

The Integrated Financial Management Program Expo will be held Aug. 14 from 10 a.m.-2 p.m. at Bldg. 4200 in G13. The expo will showcase IFMP "Way Cool Business Tools." Refreshments will be served. For more information, call Dawn Rosenstrom at 544-3095.

Donations accepted for CFC silent auction

The Tennessee Valley Combined Federal Campaign office will conduct an on-line auction to raise funds for local charities during its fall campaign. The CFC office is looking for donations of paintings, flower arrangements collectibles, antiques, etc. For more information, call Gay Money at 876-9143 or Phyllis Henley at 842-1037.

Retired Federal Employees meeting set

The National Association of Retired Federal Employees meeting will begin at 9:30 a.m. Aug. 10 at the Senior Center on Drake Avenue in Huntsville. Speaker is Rusty Russell, director of the Huntsville-Madison County Emergency Management Agency. He will present an overview of the agency's operations, responsibilities and contingency planning for responding to anything from tornadoes to terrorism. He also will take questions. For more information, call 881-4944 or 881-3168.

Employee Ads

Miscellaneous

- ★ Ethan Allan leather couch & chair, \$200; King-size bed w/cherry headboard, \$400; regular bed w/frames, \$200. 961-4942
- ★ Two side-by-side crypts, eye-level, Valhalla Memory Gardens, discounted. 239-272-5627/239-498-0332
- ★ 1976 18' Bass boat, 55HP Chrysler motor, \$1,250; large doghouse, wood w/shingles, make offer. 881-9150
- ★ E.A. print, 90" sofa, quilted olive background, wood trim \$75; Tell City upholstered rocker, \$50. 881-7096
- ★ Instep ZII double baby jogger, \$100. 880-7889
- ★ Sauder computer desk and printer stand, \$75. 883-7187
- ★ Sony STR-DB940 home theater receiver, \$250. 205-647-4949
- ★ White iron bunkbed, twin top, full down, mattresses included, \$180. 518-9062
- ★ AB roller, \$25. 256-233-1487
- ★ Kenmore washer, \$95; Maytag dryer, \$100. 837-6649
- ★ Schwinn road bike, new tires, accessories, \$125. 527-5247
- ★ 1988 Fifth wheel Wilderness Lite/Fleetwood travel trailer, sleeps 5, a/c, toilet, shower, \$2,950. 256-771-1952 after 6 p.m.
- ★ Black & Decker electric lawnmower, 18" cut, 1 yr. old, best offer. 256-772-6469/683-6469
- ★ Aero 750 exercise bike, variable resistance, electronic ergo-meter knob missing, \$50 firm; Brogan enlarger, \$50 firm. 883-2869
- ★ Five Cans R12 & automobile A/C recharge kit, \$70. 232-1171
- ★ Whirlpool self-cleaning electric oven/range, \$150; side-by-side refrigerator w/ice in door, \$225, both white. 536-4507
- ★ 1994 Kawaski jet ski, 3 place new impeller custom trailer, \$3,200. 883-2544

- ★ Apple G3 laptop, 300Mhz/64MB, 8GB/DVD, Optical drive, \$600 obo. 828-6213
- ★ Two window screens, bronze aluminum, 30"x74". 971-1414
- ★ Nikon Coolpix 5000, 5 megapixel, zoom, 32MB CF, rechargeable battery, all accessories, \$825. 461-6337
- ★ Framed print, detailed pencil drawing of "B&O steam locomotive, \$25. 830-1060
- ★ Titleist DCI 990 3 PW, stiff steel shafts, \$350. 746-9443
- ★ 1991 MasterCraft 190 w/trailer, new tires, 350 hours, \$10,500. 534-9379/527-1331
- ★ Sleeper sofa, converts to full size bed, brown fabric w/oak trim, \$75. 774-5716
- ★ 1996 Suzuki DS 80 dirt bike, helmet included, \$750. 828-3181

Vehicles

- ★ 1976 Lincoln Mark IV, 2-door, less than 80K miles, garaged, leather, \$2,500. 325-6000
- ★ 2002 Toyota Tacoma Pre-runner LTD, 4-door, V6, 150 miles, Nerf, TRD, \$23,400. 536-4326
- ★ 2001 Olds Alero GS, 4-door, fully equipped, 14K miles, warranty, \$9,500. 536-3697
- ★ 1996 Ford Thunderbird, V8, 84K miles, one-owner, auto, a/c, \$6,000. 895-0280 after 5 p.m.
- ★ 1990 New Yorker Salon, V6, auto, air, full-power, loaded, sunroof, \$1,600. 851-9519
- ★ 1996 Ford Ranger XLT, 5-speed, 70K miles, AM/FM/CD, bedliner, alloy wheels, step-side, short bed, \$4,850. 256-753-2278
- ★ 1994 Ford Explorer, 110K miles, 4WD, all-power, CD player, \$4,700. 882-2928
- ★ 1993 Ford Taurus, 140K miles, keyless entry, blue, new radiator, new Dunlop tires, \$3,000 obo. 653-3613
- ★ 1989 Ford Bronco II, V6, 5-speed, 140K miles, \$3,500 obo. 256-586-7394
- ★ 1991 Ford F150 XLT Lariat, auto, tan, camper shell, low mileage, \$4,500. 256-859-

- 4140
- ★ 2000 Ford Windstar SE, leather, captain's chairs, power sliding doors, \$16,700. 830-0851/leave message
- ★ 1989 Nissan Maxima SE, 5-speed, black, sunroof, well maintained, \$2,850. 882-7376
- ★ 1994 Ranger XLT, ext. cab, V6, tow package, bedliner, 93K miles, \$6,475. 895-8306
- ★ 1996 Ford Windstar LX, 91K miles, non-smoker, loaded, white/gold/tan, \$6,495 obo. 325-7542
- ★ 1980 Chevy S-10 pickup, rebuilt engine, new tires and transmission, \$3,250. 837-0559
- ★ 1999 Dodge 2500 4x4 SLT, diesel, extended cab, am/fm/CD, 5-speed, 96K miles, \$19,500 obo. 931-732-4742
- ★ 1995 Nissan King-cab, XE/V6 pickup, gray, 71K miles, automatic, a/c, bedliner, \$5,995. 895-9589
- ★ 2000 Honda CR-V EX, green, all-wheel drive, CD, power locks/windows, alloy wheels, garaged, \$15,750. 830-2903

Free

- ★ To good home, 10-week old kittens, litter trained, eat solid food, white w/orange, white w/gray. 650-5895

Lost

- ★ 25-Year NASA pin between Bldg. 4200 basement and Bldg. 4202. 544-8092
- ★ Ladies watch, Bldg. 4200 area. 544-3623 to claim/identify

Wanted

- ★ Ride to work, 7:30 a.m. to 3:30 p.m., Governors Drive/Huntsville Hospital area, will pay \$7 per day 534-5398

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