

National Aeronautics and Space Administration



Roundup

Lyndon B. Johnson Space Center

October | 2010



Immortalizing the Space Shuttle Program

JSC Director

“Don’t click!”

Recently, NASA, along with other government agencies, individuals and private industry, experienced a malicious e-mail attack. At Johnson Space Center alone, more than 700 employees dramatically affected NASA resources because they did one thing—clicked on a link in a suspicious e-mail.

We are constantly surrounded by technology that is designed to make our lives easier to manage both at work and home. We see it every day with our computers and mobile devices, and we take it for granted that this technology is secure—leaving us in a very vulnerable position. You and I can take some very simple steps that will help make our work and home computers more secure.

- You should get to know your Organizational Computer Security Official. They are a great resource for Information Technology (IT) security information: <http://ird.jsc.nasa.gov/ITSecurity/Lists/OCSO/ocsohist.aspx>
- Both at home and work, do not click on links in e-mails that appear suspicious, even if they come from someone you know.
- At home, make sure that you are running a current, commercial version of an Internet security suite.
- Keep a current version of your data on a server or separate hard drive. This prepares you for both malware intrusions and severe weather and other events that could cause data loss.

Our information and assets are vital to achieve mission success, which means that any compromise of our systems is a risk that we cannot afford. When you encounter anything suspicious, you should immediately recall the principles that you have been trained in and respond accordingly. All it takes is one “click” to place yourself and others at risk.

I am counting on your diligence in building a culture of IT security here at JSC!



NASA PHOTO



On the cover:

With two shuttle flights left on the manifest, there are many ways team members can get involved in immortalizing the Space Shuttle Program.



PHOTO: JEN SCHEER

Photo of the month:

As if surrounded by a celestial halo, Space Shuttle Discovery made its way toward Kennedy Space Center's Vehicle Assembly Building following a move from its processing hangar on Sept. 9.

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NASA/PHOTO: JSC2003E56657



By Catherine E. Williams

“The nation that out-educates us today will out-compete us tomorrow.”

— President Barack Obama

A learning (and growing) experience

President Barack Obama issued the challenge: a national call to invite all science, technology, engineering and mathematics (STEM) stakeholders to make STEM real and understandable in every community. In response to this call, NASA Administrator Charles Bolden and the NASA Office of Education launched a new initiative called Summer of Innovation. The program was designed to reach underrepresented, underserved and underperforming middle school students who participate in summer learning activities. Each NASA center reached out to internal and external partners to implement this pioneering program.



NASA/STAFFORD JSC2010E110781

Robonaut 2 was dressed to impress for his audience at Space Center Houston.

Studies demonstrate that students lose academic skills during the summertime, “and there are different ways to describe it,” said Cindy McArthur, Johnson Space Center Summer of Innovation lead. “Some people call it summer slide, but research shows that students who don’t have resources to do active learning during the summer suffer the greatest loss.”

For NASA, it meant attracting a new audience.

“This is the first time we’ve engaged this segment of students, where they’re going through summer learning programs,” said Ed Pritchard, Elementary and Secondary and Education branch chief. “And it gives us the opportunity to infuse NASA STEM content into what they’re doing.”

Summer of Innovation attacked “the summer slide” with a three-

pronged approach: summer learning programs, teacher workshops and outreach events.

“Each NASA center was asked to reach 1,000 middle school students participating in summer learning programs, and these programs had to have a minimum of 40 contact hours for each student,” McArthur said. “Seventy-five percent of that content was STEM, but 25 percent had to be NASA content.”

Through bigger events, JSC’s goal was to reach 5,000 students. Voyage Back to School on Aug. 19 and Hispanic, Engineering, Science and Technology (HESTEC) Week, Sept. 27 to Oct. 2, were a perfect fit.

“The culminating event we had locally was Voyage Back to School hosted by Space Center Houston,” Pritchard said. “We thought it went really well. It was our pilot, if you will. We had 1,061 participants (parents and students), and that was a great beginning. Our plan is to do this every year, because we found a lot of value in that, and it also gave us the opportunity to engage our JSC workforce and their students.”

Playing well with others

Summer of Innovation didn’t just get students learning—it got many of us engaged in a worthwhile endeavor.

“It was truly an integrated effort,” Pritchard said.

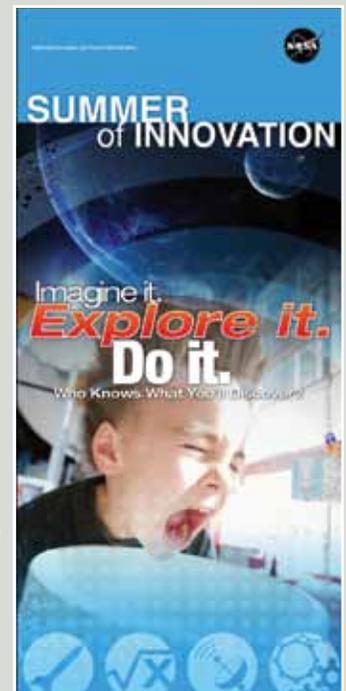
“I think another thing we got an A+ on is we really feel that we targeted the group of students that were intended to participate in Summer of Innovation,” McArthur said.

To achieve that, JSC teamed with a variety of organizations.

“We had a partnership with Human Research Education and Public Outreach. They went down to the (Rio Grande) valley and worked with Boys and Girls Clubs,” McArthur said. “Another partner was Space Center Houston. They conducted summer camps. And then we worked with non-profits in the Houston area, local school districts and community-based organizations, so it was a nice mixture.”

“It allowed us to strengthen some of our existing partnerships, but also find new partners that we hadn’t worked with necessarily in the past,” said JSC Education Specialist Jonathan Neubauer.

(continued on next page)



NASA/PHOTO

And while many outside organizations stepped up, so did those in our own JSC family.

“Although this was an Office of Education initiative, and definitely fell to us to do the planning, the JSC workforce really was important to making it happen,” McArthur said. “We couldn’t have done this without help from the Office of Communications and Public Affairs and the Integrated Projects Office.”

Volunteers did everything from going to schools to talk to students, aiding in tours on site, conducting panel discussions for student groups and helping with large outreach events.

“The thing I want to stress is that it took more than the Office of Education to pull this off,” Pritchard said. “That’s probably a learning thing for us—that wow, without the rest of the team across the center, it would be very hard to pull it off.”

A sneak peek into the future

With such great marks for this year’s Summer of Innovation, it’s off to the stratosphere in 2011.

“What we do know is that Summer of Innovation is funded for three years,” McArthur said. “This is our pilot year, so who knows what’s to come.”

Whatever the future holds, JSC’s foundation to support summer learning is solid.

“A lot of the processes we put in place were adopted agencywide, because we seem to be out in front of the curve,” Pritchard said. “(Headquarters) liked what they saw from us, so they recommended that to other centers as a model.”

“Hard work though it was, one thing we all realized is that summer learning programs are a great fit for NASA,” McArthur said. “Our typical approach is going into a formal classroom. As all of us know, formal classroom educators are constrained by teaching to the test and state standards. What we found in summer learning programs is that they have much more ability to adapt, to add new things ... and we all believe that our NASA content is fun and engaging and exciting. If you think about it, that’s exactly what every child wants to do during the summer. If you’re going to learn—let’s learn in a way where you think you’re not doing anything but having a great time.”



NASA/STAFFORD_JSC2010E111930

JSC Education Director Susan White inspires students at North Shore Middle School during a Summer of Innovation event.

Hurricane season is still **alive** and **kicking**



NASA/NOAA GOES PROJECT

This image from the GOES-13 satellite, taken at 9:32 a.m. CDT on Sept. 3, shows a huge Hurricane Earl northeast of North Carolina, with cloud cover stretching over the northeastern United States. A disorganized Tropical Storm Fiona is located in the bottom right of this image.

While an occasional cool front may cause us to become complacent, hurricane season doesn’t officially end until Nov. 30. It’s always a good idea to have a personal plan of action in place.

A symbolic place in NASA, world history: **Building 37**



By Neesha Hosein

Building 37 has great significance in human spaceflight history, a fact not commonly known. Today, it is the focal point of Space Life Sciences, and the operations in Building 37 play a vital role in supporting shuttle and International Space Station operations.

Dr. Lawrence Kuznetz, senior scientist for astronaut Mike Gernhardt's Extravehicular Activity Physiology Systems and Performance Group, organized a dedication ceremony for the building when he realized that despite its notoriety as "a centerpiece for human exploration missions beyond Earth orbit, the building's storied past risked being forgotten and should be celebrated.

"This history includes its pivotal role as the Lunar Receiving Laboratory (LRL) during Project Apollo and the precedents it spawned. These include the first facility to provide quarantine in a planetary return mission; the framework that became the basis for the Committee for Planetary Protection; and the procedures that today provide forward and backward contamination protection during all planetary missions."

In honor of its significant place in NASA history, an LRL dedication ceremony was held on June 10 to certify its glory. Seven commemorative plaques embossed with the Apollo 11 medallion were unveiled, one for each of the following: the Apollo crew sleeping quarters; the interview room; the receiving areas for the Columbia Command Module; the Mobile Quarantine Facility and lunar rock samples; the dining and lounge area; and the barrier wall, where the pressure in the building was reduced to maintain quarantine.

"It is our hope that these plaques be both informative and inspirational to all those who pass through this building in perpetuity," Kuznetz said.

The plaque unveiling took place in the corridors of Building 37 and was kept low key to allow the veteran Apollo teammates to enjoy a special reunion. The guest list included: former Johnson Space Center Director George Abbey; Apollo 11 astronauts Neil Armstrong and Buzz Aldrin; Apollo 17 astronaut Harrison Jack Schmitt; JSC Deputy Director Ellen Ochoa and many more.

Visitors of Building 37 are highly encouraged to follow the trail of plaques and absorb some fascinating facts about each of the seven historical sites.



NASA/BLAIR JSC2010E092507

Former Apollo astronauts Buzz Aldrin, Neil Armstrong and Harrison Jack Schmitt (center foreground, left to right) with the Lunar Electric Rover Team.



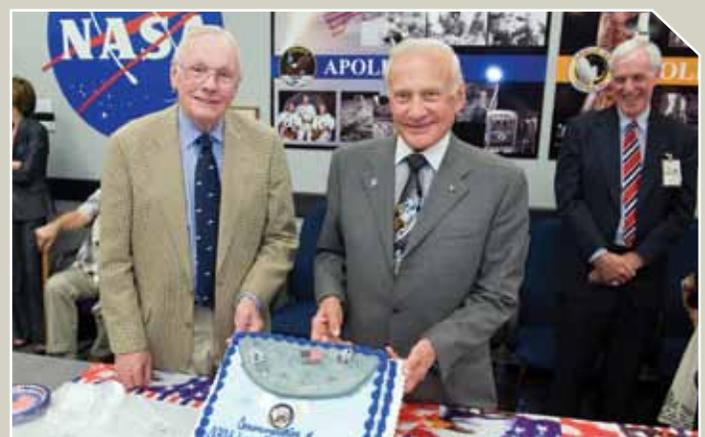
NASA/BLAIR JSC2010E092521

JSC Deputy Director Dr. Ellen Ochoa addresses an esteemed audience at the Lunar Receiving Lab dedication ceremony.



NASA/BLAIR JSC2010E092551

Apollo 17 astronaut Harrison Jack Schmitt unveils the moon rocks plaque.



NASA/BLAIR JSC2010E092562

Armstrong (left) and Aldrin prior to cutting the dedication cake, with Tom Sanzone, director of Hamilton Sundstrand operations in Houston, observing.

IMMORTALIZING the Space Shuttle Program



With STS-133 and STS-134 left on the manifest, the clock is ticking for the famed Space Shuttle Program. But before it makes its last hurrah into space, fans of the space shuttle can join in the mission excitement in a variety of innovative ways. For ideas on how you can be a part of this special history—or at the very least, relive its wonder—proceed full speed ahead.

Get your 'Face in Space'

NASA has invited members of the public to send electronic images of their faces into orbit aboard one of the final remaining space shuttle missions.



You could be here—in space. NASA is giving the public the chance to send their pics to space for the two remaining shuttle missions: STS-133 and STS-134.

Visitors to the "Face in Space" Web site can upload their portrait to fly with the astronauts aboard Space Shuttle *Discovery's* STS-133 mission and/or *Endeavour's* STS-134 mission. Participants will receive special certificates from the Internet site once the mission is completed.

"The Space Shuttle Program belongs to the public, and we are excited when we can provide an opportunity for people to share the adventure of our missions," said Space Shuttle Program Manager John Shannon. "This Web site will allow you to be a part of history and participate as we complete our final missions."

To submit your image, visit:
<http://faceinspace.nasa.gov>

Those without a picture can skip the image upload section, and NASA will fly their name.

But however you choose to participate, go where only a select few Earthlings have gone before.

NASA knows how to rock it

If you like music, the space program and are a little nostalgic, NASA has the perfect opportunity for you. For the first time, the public can help choose songs to wake up the astronauts during the last two scheduled space shuttle missions.

Traditionally, the songs played to wake up the astronauts are selected by friends and family of the crews. For the last two scheduled missions, NASA is asking the public to visit the "Wakeup Song Contest" Web site to select songs from a list of the top 40 previous wakeup calls or to submit original tunes for consideration. To vote or submit a song, visit:

<https://songcontest.nasa.gov>

The two songs with the most votes from the top 40 list will be played as crew wakeup calls on the final scheduled flight of Space Shuttle *Discovery*. *Discovery's* STS-133 mission is targeted to launch on Nov. 1.

"We're looking forward to hearing which songs the public wants played for us," said STS-133 Commander Steve Lindsey. "It's going to be a difficult choice, because there have been so many great songs played over the years."

Or, if you are extra creative and artistically inclined, submit a tune of your own design. Original songs must have a space theme and be submitted to NASA by 4 p.m. CST on Jan. 10. The songs will be reviewed by agency officials and the top finalists put to a public vote. The top two songs will be used to wake Space Shuttle *Endeavour's* STS-134 crew.

Endeavour's mission is the last scheduled space shuttle flight. It is targeted to launch on Feb. 26.

"Space shuttle crews really enjoy the morning wakeup music," said STS-134 Commander Mark Kelly. "While we don't have the best quality speaker in the space shuttle, it will be interesting to hear what the public comes up with. We are looking forward to it."

'Wings In Orbit'

"Wings In Orbit" is an authoritative documentation of the many accomplishments of the NASA Space Shuttle Program. With Wayne Hale as the executive editor and a foreword written by



“Wings In Orbit” documents the achievements and history of the Space Shuttle Program.

the program and the shuttle as an icon in U.S. history.

No other book on the market has accumulated as many experts and resources on this subject, nor broken it down in such easy-

astronauts John Young and Robert Crippen, this compelling book provides accurate and authentic accounts from NASA’s best subject-matter experts and external resources. The book captures the passion of those who devoted their energies to the program’s success for more than three decades. It focuses on their science and engineering accomplishments, the rich history of

to-understand language with compelling imagery. It provides comprehensive information on this historic program as it ends its 30-year run.

Each chapter of “Wings In Orbit” gives insight into a specific aspect of the Space Shuttle Program’s legacy:

- Magnificent Flying Machine – A Cathedral to Technology
- The Historical Legacy
- The Space Shuttle and its Operations
- Engineering Innovations
- Major Scientific Discoveries
- Social, Cultural, and Educational Legacies
- Industries and Spin-offs
- The Shuttle Continuum, Role of Human Spaceflight

The book is due for release in February. Pre-order now for \$10 off the regular price at <http://shopnasa.com>.

Mark your calendars

The last months of Space Shuttle Program are upon us, and you won’t want to miss a single moment of the action. One day, you can pass that excitement on to the next generation of space explorers.

For more information about the Space Shuttle Program and the STS-133 and STS-134 missions to the International Space Station, visit:

<http://www.nasa.gov/shuttle>

For more information about the space station, visit:

<http://www.nasa.gov/station>



NASA/PHOTO s13133-s-002

Pictured for their STS-133 crew portrait are NASA astronauts Steve Lindsey (center right) and Eric Boe (center left), commander and pilot, respectively; along with astronauts (from the left) Alvin Drew, Nicole Stott, Michael Barratt and Tim Kopra, all mission specialists.



NASA/PHOTO s13134-s-002

Pictured for their STS-134 crew portrait, clockwise are NASA astronauts Mark Kelly (bottom center), commander; Greg H. Johnson, pilot; Michael Fincke, Greg Chamitoff, Andrew Feustel and European Space Agency's Roberto Vittori, all mission specialists.

Johnson Space Center is in the business of **innovation** and **successful** partnerships



By Tammie Letroise-Brown

NASA/STAFFORD JSC2010E123805



Texas Public Utility Commission's Barry Smitherman gives the keynote speech at Rice University.

On Sept. 2, members of the Johnson Space Center team and representatives of non-aerospace organizations and academia from across the state, gathered at Rice University to discuss innovative business partnership opportunities. Hosted by the Texas Workforce Commission, the Greater Houston Partnership and Rice University, the Innovation and Successful Partnerships Summit provided JSC the chance to showcase its unique core capabilities and potential industry partners to consider mutually beneficial collaboration.

During the summer, the JSC Innovation and Partnerships group worked closely with the summit hosts to incorporate the center in the event with the goal of introducing those in various non-aerospace industries to JSC's specialized capabilities and facilities.

Some of the organizations in attendance were unfamiliar with JSC and were not sure, given the center's reputation for complex engineering and out-of-this-world technology, how a partnership could work.

Dynamic speakers from private industry and academia presented their

own experiences working with NASA as part of Joint Industry Partnerships and case studies of how these partnerships worked. JSC Deputy Center Director Dr. Ellen Ochoa laid out the center's unique challenges and shared examples of collaboration that have generated a variety of technology transfer successes in and out of JSC and into commercial markets.

Dr. Ellen Ochoa, JSC deputy director, gives a presentation on JSC's core capabilities.

NASA/STAFFORD JSC2010E123787



NASA/STAFFORD JSC2010E123745



Dr. Andrew Barron presents a case study of a successful Joint Industry Partnership to the audience.

"JSC has always had partners—with industry, with academia, with other governmental and international agencies—and a history of technology transfer to a variety of applications," Ochoa said. "In addition to continuing those activities, we would like to develop and expand relationships beyond the aerospace community, particularly to the industries that fuel the greater Houston-area economy."

To really get down to business, the day culminated with roundtable discussions where JSC and industry representatives delved into how to create and sustain innovative collaboration in multiple industries including petroleum exploration, life sciences and advanced technologies. Attendees used the discussions as an opportunity to share what they were looking for from each other.

"I'll tell you what keeps me up at night—safety, operational

excellence and vibration monitoring. If we could find some way to work together on those issues, that would be helpful to me," Dick Williams of Shell - Wind Energy stated.

JSC's Director of Space Life Sciences, Dr. Jeffrey Davis, attended the Life Sciences and Healthcare roundtable discussion. Davis explained how JSC focuses on external alliances, benchmarking, innovation and third party technology to find solutions for mitigating human system risks in spaceflight. Through this, Space Life Sciences pulls and pushes transferable technology in and out of JSC to benefit stakeholders. An opportunity to make this happen more frequently is creating an efficient system

that decreases the time it takes for JSC and partners to do business.

"There is a team working together across the center to try to shorten the amount of time it takes to finalize a Space Act Agreement. In the past, it has taken several months to complete the agreement. But, we are working on making it more efficient," said Kathryn Suratt, JSC resources program analyst.

This same group plans to host more events similar to this in the future. After this summit, the group will provide tours to organizations interested in learning more about JSC's unique capabilities and facilities.

"I hope this is the first of many discussions about partnerships that benefit the society and NASA," said Yolanda Marshall, assistant to the director, JSC Innovation and Partnership.

Small Business Innovation Research: A win-win program for all

By Donna P. Anderson

Eleven federal agencies, including NASA, participate in and allocate 2.5 percent of their research development budget to the Small Business Innovation Research Program (SBIR), established by Congress in 1982. SBIR provides an opportunity for small, high-tech companies to participate in government-sponsored research and development efforts.

Kathryn Packard, the Johnson Space Center SBIR Technology Infusion manager in the Advanced Planning Office, stated the main reason for the program is to provide seed funding through solicitations based on NASA mission directorate and program needs through two award phases.

Historically, up to 15 percent of SBIR proposals submitted receive a Phase 1 award for a feasibility study, which can be valued at up to \$100,000 for a six-month period.

Phase 2 is the major research and development effort that continues the most promising of the Phase 1 projects based on scientific and technical merit, expected value to NASA and commercial potential.

Selection for Phase 2 places greater emphasis on evidence of commercial potential than Phase 1, particularly in support of NASA's missions. SBIR Phase 2 contracts are usually for a period of 24 months with a maximum funding of \$600,000. NASA selects approximately 40 percent of the Phase 1 proposals to go on to a Phase 2.

So what's in it for NASA?

"The true success is when NASA itself awards money set aside from its directorate or program funding with a sole-source contract to the small business, and both parties gain, otherwise known as a 'Phase 3,'" Packard said. "This is not only practicing servant leadership, but smart business through partnership with the commercial sector. The overall focus of the program is the technology infusion, which is vital to the performance of the NASA mission and to the nation's prosperity and security.

"What is really taking hold at JSC is that Phase 3 awards are being extended. We know that at least 16 Phase 3 awards have been made in the last five years by JSC, and 15 of those came from the Engineering Directorate," Packard said.

Jesse Buffington, a project manager in JSC's Engineering Directorate, said he has successfully used two Phase 3 SBIRs over the past four months as vehicles for technology development. That included hardware, software and electronics design and manufacture. His group designs, builds, certifies and flies intravehicular and extravehicular tools and equipment.

"In one Phase 3, software and control electronics were created for a novel robotic manipulator," Buffington said. "The control system has been demonstrated to work and is being used in a lab environment. I would say it went from Technology Readiness Level (TRL) 4 to TRL 6."

Buffington addressed many benefits of the SBIR program.

"The SBIR office at JSC has been extremely helpful in providing data and conducting searches across the U.S. government to help the project team locate relevant SBIRs, and can do this for all prospective SBIR users," Buffington said. "Working with the JSC SBIR Office,

these contracts have been not only outstanding technical resources, but have also allowed for streamlined procurement. All this sums up to a very flexible and powerful resource for every project team, and when understood and coordinated with both the SBIR Office and the Procurement Office, is a priceless development option.

"The Engineering Directorate recognizes the win-win attributes of the SBIR program and is able to utilize the award money and quick procurement vehicles that allow them to complete projects in a fast and effective manner," Packard said.

For more information about the SBIR program, e-mail the Advanced Planning Office at jsc-techtran@mail.nasa.gov.

Spotlight Mary L. Smith

Cargo Coordinator, United Space Alliance

Q: Coolest part of your job?

A: Interacting with International Space Station hardware providers to ensure hardware is on time, on schedule and flight ready. It is exciting to support this integration process and know my efforts are key in hardware and crew supplies arriving on the station safely.

Q: Favorite hobbies or interesting things you do away from the office?

A: I have been singing since I was 6 years old—first in the choir at my father’s church and now with my own band, Mary Smith & Mystique. We play at local venues around Clear Lake, Houston and Galveston, as well as a few NASA company events.

Q: What would you be doing if you weren't in your current job at Johnson Space Center?

A: My dream is to record music, so I would be writing music and in the studio recording.

Q: What would people be surprised to know about you?

A: I’m a grandmother of 14 and can name each one.

Q: What is your favorite quote or motto?

A: My favorite quote actually comes from a Bible verse, Philippians 4:13, which reads, “I can do all things through Christ who strengthens me.”

Q: What is your favorite sport?

A: I’m a fan of all sports, but baseball is my favorite, even though my sons played football and basketball.

Q: Last good book you read?

A: “The Help” by Kathryn Stockett.

Q: Favorite movie and why?

A: “Overboard” with Goldie Hawn and Kurt Russell, because it was a good love story.

Q: Favorite music, artist or band and why?

A: Mary J. Blige, because you can feel her music within your soul.

Q: Who are your heroes and why?

A: My mother is my hero. She was the first lady at church, being the pastor’s wife, and a great teacher and referee at home raising 11 kids. My mother, who we called “The Duchess,” taught me how to be a wife, mother and a good friend. I will never forget her.

Q: What quality do you most admire in people?

A: Honesty.



NASA/PHOTO

Q: What does JSC mean to you?

A: An opportunity of a lifetime, working at a job that allows me to be part of history.

Q: What is your best memory at NASA or JSC?

A: Working at JSC for 20 years and being part of two major programs: shuttle and station. Also, singing the national anthem in the Teague Auditorium for special events.

WANTED!

Do you know a JSC colleague or team that does something extraordinary on or off the job? Whether it's a unique skill, interesting work, special professional accomplishment, remarkable second career, hobby or volunteerism, your nominee(s) may deserve the spotlight!

The Roundup shines the light on one special person or team each month, chosen from a cross section of the JSC workforce. To suggest “Spotlight” candidates, send your nomination to the JSC Roundup Office mailbox at jsc-roundup@mail.nasa.gov. Please include contact information and a brief description of why your nominee(s) should be considered.



Celebrating National Hispanic Heritage Month

THE Johnson Space Center Hispanic Heritage Month Planning Committee, in collaboration with the Office of Equal Opportunity and Diversity, hosted an educational program in September to recognize National Hispanic Heritage Month, which runs Sept. 15 to Oct. 15. Posters highlighting nationally recognized Hispanic figures were displayed on site. This is the first of several heritage awareness months planned for this fiscal year.

The program began with an inspiring presentation from JSC Deputy Director Dr. Ellen Ochoa, the first Hispanic female astronaut. She shared a personal account of her successful professional journey, highlighting important NASA milestones and her contributions.

Dr. José Aranda, chair of Hispanic Studies, Rice University, gave an educational presentation. Aranda described how NASA has positively impacted his life and the lives of many other Hispanics growing up in the Houston and

surrounding area. He provided historical accounts of how NASA influenced the success of Hispanics and Hispanics positively contributed to NASA.

Today, more than ever, Hispanic Americans from a wide range of nationalities and backgrounds shape the American landscape. Each program speaker emphasized the importance of education among Hispanics. NASA sponsors a number of important programs and events to further its commitment to Hispanic education and its eventual pipeline to NASA and NASA-related employment.

Throughout the month, Latin-inspired art will be displayed in both Starport Cafés and the Building 30 lobby. The Starport Cafés served Hispanic-themed meals, featuring entrées from Argentina, Spain, Cuba and Mexico.

For more information about National Hispanic Heritage Month, please visit: <http://www.nasa.gov/offices/oeod>



Hispanic-themed art capturing unique cultural themes and vibrant colors are on display in both Starport Cafés and the Building 30 lobby. Art was provided by artist Tony Briones and other local Hispanic artists.

Worth the weight

FRESH off the intense donations from July, Feds Feed Families wrapped up its summer of giving with another huge haul of food. JSC contributed 10,065 pounds in August, and White Sands Test Facility added 2,908 more pounds for the month—for a grand total of 12,973 pounds.

During the Feds Feed Families Food Drive, JSC shined with

the highest overall center donation—a staggering 27,312 pounds of food.

This charitable contribution will help the Galveston County Food Bank aid disadvantaged families with children, senior citizens and families still struggling to recover from Hurricane Ike.



JSC Director Mike Coats donates food during the Feds Feed Families Food Drive.

POWER of One Award Nominations Being Accepted

ALL JSC team members now have the opportunity to nominate employees, view awards and vote for POWER of One winners online. It's easy. You have the power to recognize others.

For more information and to make your nominations, visit: <http://powerofone.jsc.nasa.gov/>



Roundup

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Action-packed outreach

Little League coach and astronaut Terry Virts traveled to Williamsport, Penn. on Aug. 19 and 20 to participate in the Little League Baseball World Series. Virts gave a presentation to the teams, rode in the parade and was honored during opening ceremonies. He even had some time to

watch the Pearland All Stars Little League team in action.

Unfortunately, the Pearland All Stars lost in the consolation game against Chinese Taipei. But no matter the score, Virts and Pearland represented Texas and our space city with pride on the world stage.



Astronaut Terry Virts spends time with the Little League teams before the opening ceremonies.



Virts waves to baseball fans during the Little League Baseball World Series parade.