



Functionality, Sustainability, Hallmarks of MIC Design

Open House Celebrates Collaboration

NASA Glenn's new Mission Integration Center (MIC) is more than a high-performance office building. The three-story structure—featuring office neighborhoods based on open style architecture, conference/videoconference rooms, casual gathering spaces, a 400-person capacity multifunction auditorium and numerous environmentally friendly features—is the conduit to a new way of conducting business.

Continued on page 3

Left to right: Matthew Marous, Marous Construction Brothers; Stephen Coleman, Northstar Contracting, Inc.; Center Director Jim Free; NASA Assistant Administrator, Office of Strategic Infrastructure Calvin Williams; Facilities, Test & Manufacturing Director Tom Hartline; Michael Carter, Stantec; and Glenn Project Manager Tim Wardlow.



C-2014-4024

Photo by Marvin Smith

Glenn Studies Lake Erie Algal Bloom

NASA Glenn researchers and remote-sensing technology, previously developed for Mars exploration, is aiding a study of Lake Erie's algal bloom that contaminated drinking water in southeast Michigan and Toledo, Ohio. Last month, Glenn deployed its S-3 research aircraft, equipped with a hyperspectral imager and miniature spectrometers, to capture images to analyze algae in the affected area.

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Special 12-page issue highlights Center Picnic and MIC Open House



C-2014-5002

Photo by Bridget Caswell

Fun Abounds at Center Picnic

Left to right: Krasynthia Johnson, Tonyia Williams and Candace Johnson have fun as they distribute popcorn to fellow employees during the Glenn Center Picnic, Aug. 13. See page 4-5 for photo highlights.



Graphic by Kelly Shankland

The safety of Glenn employees is Center Director Jim Free's first priority. Beginning this month, he will share safety tips with employees through this monthly column.

Work-Life Balance

I'm extremely proud of the Glenn workforce. Together, we've met significant milestones and overcome challenges over the past year. In the midst of performing our day-to-day tasks, however, we sometimes forget to allow adequate time to relax our minds and our bodies. Without a work-life balance, we accumulate high levels of stress that can cause us to make decisions that are harmful to ourselves or those around us. This month I'm going to add more personal time on my schedule for the activities and people who mean the most to me. I hope you will too.

Take time to attend Glenn's Safety and Health Awareness Day, Sept. 17!

—Jim

Center Lab Bus Begins Trial Period

The Lewis Field Lab Bus has been reinstated for a 6-month trial period to provide onsite transportation services for the Main Campus, Shipping and Receiving Facility (SaRF) and West Area (building 333). A map and schedule of



the bus route is posted in the lobby of each building on the center.

This service is intended to meet your onsite transportation needs. Lab Bus use will be reviewed at the conclusion of the trial period to determine if this service should be continued. This service may be discontinued if ridership is low. POC: Antoine Moss, 3-3049.

Lab Bus schedule: <https://ltid.grc.nasa.gov/LogisticsServices/Transportation/PersonnelTransport>.

Algal Bloom

Continued from page 1

Researchers from Glenn, the National Oceanic and Atmospheric Administration's Great Lakes Environmental Research Laboratory (GLERL) in Ann Arbor, Mich., and the U.S. Naval Research Laboratory in Washington, DC, are using the images from these high-resolution instruments to reveal unique characteristics of Lake Erie's western basin across the light spectrum. Each section of the lake has a unique spectrographic signature. By studying these signatures, researchers can identify the biochemical properties of an algal bloom and predict when and where they will form.

There are several types of algae that occur on Lake Erie that are part of a natural food chain. However, a blue-green variety that produces microcystin, the toxin responsible for contaminating Toledo's drinking water, can cause nausea, rashes and liver damage if ingested.

"Fresh water is one of Earth's most precious commodities and is essential



Photo courtesy of NASA Goddard

The Moderate Resolution Imaging Spectroradiometer (MODIS) on NASA's Aqua satellite captured this natural-color view of an algal bloom (blue-green mass) in the west end of Lake Erie. The image of the coastal waters off of Ohio, Michigan and southwestern Ontario was acquired at 2:50 p.m. EST on Aug. 3, 2014.

to our civilization's survival," said John Lekki, Optics and Photonics Branch, Glenn's lead for this flight campaign. "Our collaboration with NOAA [National Oceanic and Atmospheric Administration], and now the U.S. Naval Research Lab in this effort, will increase our understanding of how to confront this significant environmental and human health threat."

Generally, NASA and NOAA satellite imagery is used to identify, monitor and map potentially harmful algal blooms. However, using airborne remote-sensing instruments supplements satellite imagery and helps provide

continual monitoring of algal blooms even when cloud cover is prevalent.

NASA's Applied Sciences Program in the Earth Science Division at NASA Headquarters sponsors the remote-sensing project, one of many the agency has developed to observe and record how Earth's interconnected natural systems is changing. The agency shares this knowledge and works with institutions in the United States and around the world to improve understanding and protect our home planet.

—By Frank T. Jennings

MIC Open House

Continued from page 1

Center Director Jim Free, senior staff, Headquarters personnel, elected officials and representatives and employees gathered for a ribbon-cutting ceremony and open house, July 30, to celebrate the MIC completion.

Free acknowledged the dedication and thoughtfulness that went into designing and developing the cornerstone building of Glenn's Facilities Master Plan. He said the MIC would enable Glenn's integration and mission teams to work more collaboratively toward mission goals.

"This is a milestone day at NASA Glenn," Free said. "The responsibility on us is to make the most of this investment."

Calvin Williams, NASA Headquarters' assistant administrator for the Office of Strategic Infrastructure, and Thomas Hartline, Glenn's director of Facilities, Test and Manufacturing, highlighted the building's environmental features and functional design. These features will contribute to a healthier, more productive work environment while meeting NASA's goals for reducing energy consumption.

—By Doreen B. Zudell



C-2014-4109 Photo by Marvin Smith



C-2014-4020 Photo by Marvin Smith



C-2014-4102 Photo by Marvin Smith



C-2014-3983 Photo by Marvin Smith



C-2014-4112 Photo by Marvin Smith



C-2014-4040 Photo by Bridget Caswell

Pictured, clockwise from top: Employees travel up an aesthetically pleasing and functional staircase; Hartline and Free display plaque for LEED (Leadership in Energy and Environmental Design) Gold certification; Williams, Associate Director Janet Watkins, Free and Deputy Center Director Greg Williams cut the commemorative cake; Participants enjoy view from large conference room; Employees participate in aerial photo taken in front of the MIC; Facilities Division Chief Gene Stygles, adds his signature to commemorative MIC photo.



2014 CENTER PICNIC



C-2014-5005

Employees enjoyed lively music, dancing, games and a variety of fun activities at the Lewis Field Picnic Grounds during the Center Picnic, held Aug. 13.

Senior managers, with help from the Glenn Exchange, created a special video and invited employees to join them in “Celebrating US”—the [NASA Glenn] workforce, our patriotism and our service to the agency and the nation.

Center Director Jim Free urged employees to think about “US” as family, because we spend so much time together. “I’m grateful for the work you do and the promise of ‘US’ continuing to deliver even better things to the agency in the days ahead,” Free affirmed.

To view additional photos, visit <http://events.grc.nasa.gov/centerpicnic2014/> (internal only).

—By S. Jenise Veris



C-2014-5183



C-2014-5134



C-2014-5028



Layout by Doreen B. Zudell & S. Jenise Veris

Picnic Photos by Bridget Caswell



C-2014-5045



C-2014-5055



C-2014-5087



C-2014-5022



C-2014-5034



C-2014-5020



C-2014-5106



C-201-5073



C-2014-5065



C-2014-5035



C-2014-5138



C-2014-5101



C-2014-5123



Glenn Develops Crew Exercise Device Candidate for ISS Demonstration

No. Marvel's superhero has not returned to Glenn. However, a HULK of another sort is emerging from Glenn's Advanced Exercise Concepts project to ensure the health, safety and performance of astronauts. Glenn's lightweight HULK (Hybrid Ultimate Lifting Kit) is one of three exercise devices currently being considered for a flight technology demonstration

aboard the International Space Station (ISS) in 2017.

The HULK challenges astronauts to a series of resistive and aerobic exercises similar to the Advanced Resistive Exercise Device (ARED) currently on the ISS, but at about 1/10th of ARED's mass.

Recently, at NASA's Johnson Space Center, HULK developers—Zin Technologies' (ZINT) Justin Funk, Nathan Funk and Christopher Sheehan, and Glenn

project leads Gail Perusek and Dr. Aaron Weaver—successfully evaluated HULK during parabolic flights that simulated the space environment.

“Ideally, the technology we are testing would be applicable for short- or long-duration flights on the Multi-Purpose Crew Vehicle (MPCV), onboard a habitation module, or even during planetary surface operations,” explained Dr. Weaver, HULK's principal investigator. “However, because of HULK's compact, low-power profile, there is also potential to develop a smaller version for use in home gyms.”

As NASA prepares to travel to Mars and beyond, exercise equipment must have the smallest possible mass and footprint, while preserving an astronaut's ability to perform mission-critical tasks. NASA Glenn has supported development of compact exercise equipment for spacecraft since 2008 and continues to play a crucial role in this effort.

—By S. Jenise Veris



Photo courtesy of NASA Johnson

Test subjects take turns on the HULK during parabolic flight maneuvers. Left to right: ZINT engineers Christopher Sheehan and Daniel Brown with NASA Johnson's Erin Caldwell, Wyle Life Sciences.

NASA Leaders, Astronaut Headline Space Adventure Week

NASA Chief Technologist Visits Glenn

Space-themed events, demonstrations, workshops and special guest presentations made for an exciting “Space Adventure Week” held in Glenn's Visitor Center in the Great Lakes Science Center (GLSC), July 20 to 27. Themes aligned with NASA's Strategic Communications Priorities, and featured different Glenn speakers each day. The event also included a special commemoration of the 45th Anniversary of the Apollo 11 mission with a focus on how NASA is preparing to take the next giant leap.

Glenn Technology Day, part of the week's lineup, July 22, included presentations from NASA officials on how Technology Drives Exploration. Center Director Jim Free, NASA Chief Technologist Dr. David W. Miller and astronaut Doug Wheelock, were the distinguished speakers.

Miller rounded out his visit with tours at Plum Brook Station and Lewis Field. His All Hands meeting at Lewis Field, focused on striking a balance between pursuing basic research and opportunities/collaboration to mature promising technology.

—By Doreen B. Zudell

Top right: Glenn Engineer Jeremiah McNatt explains the science of solar arrays to a young participant attending NASA Technology Day at the GLSC. Right: Assistant Researcher Stephanie Vivod demonstrates the formation of aerogels for Dr. Miller (center) and Center Director Free, while on tour at Lewis Field.



C-2014-3519

Photo by Bridget Caswell



C-2014-3463

Photo by Marvin Smith

Inaugural Speaker in MIC Auditorium Advocates Collaboration

The value of teamwork and how it can work in a collaborative environment was the focus of a talk in the new Mission Integration Center (MIC) auditorium, Aug. 4. Retired U.S. Navy SEAL and Medical Services Officer, Mark L. Donald, connected NASA's teamwork ethic with his training and combat experience during his "One Team, One Fight" presentation.

Donald, a recipient of the Navy Cross, Silver Star, Bronze Star and Purple Heart, gave powerful examples of how working collaboratively helped his combat team achieve "impossible" tasks. He faced dangerous combat actions in Iraq and fought against heavily armed Al Qaeda forces in Afghanistan.

Additionally, he touched on how essential it was to maintain and communicate a positive mindset. He recommended writing a few short positive messages and goals, and repeating them each day to reinforce commitment to them. He also shared how, over time, teamwork became second nature to him.



C-2014-4164

Photo by Bridget Caswell

Donald addressed a capacity crowd in the MIC Auditorium.

"Don't just talk about it [teamwork]. Practice it. Put it into play," he stressed.

Prior to his presentation, Donald toured the MIC with Center Director Jim Free and members of senior management. In his address, Donald said the building's design would help employees work more collaboratively. He affirmed NASA's renowned reputation and

stressed that people throughout the world are looking to us to enable NASA's next great accomplishments.

"You can move forward or file back. There is no holding ground," Donald said. "This is your golden moment. You have this building and you have one another. What are you going to give America?"

—By Doreen B. Zudell

Glenn Vacuum Facility Upgrade Aids Drilling Simulation

Recent renovations to Glenn's Vacuum Facility 13 (VF-13) offer NASA scientists and industry partners a new venue to examine possibilities for prospecting extraterrestrial surfaces in quest of in situ resource utilization (ISRU), or "living off the land." ISRU can reduce the costs and risks of human exploration by using the local resources on other planets to provide essentials such as water and oxygen.

Like Glenn's seven other vacuum chambers, VF-13 can produce the low pressures found in space. However, VF-13's new thermal shroud enables the chamber to plummet temperatures to as low as 100 K (-280 °F) using liquid nitrogen to mimic the frigid conditions of extraterrestrial surface conditions. The shroud's two halves separate to create thermal gradients as needed. VF-13 can also chill a 1.2 m- (4-ft.-) tall, 28-cm- (11-in.-) diameter bin of simulated "soil" (or regolith) to an icy 130 K (-226 °F).

Last month, Glenn demonstrated VF-13's new capabilities during testing of Honeybee Robotics prototype drill, a unique auger design, to capture and retain regolith without losing water or other materials, which can sublime (or vaporize) when exposed to the surface. The drill was mounted on a translator system inside the chamber where it bored holes in the regolith. It was a dirty job, and NASA's VF-13 is the only thermal vacuum facility that was up to it.

"Most vacuum facilities of this size are for spaceflight qualifications, and do not want to house any contaminants like soil," explained John Lytle, Glenn's ISRU project manager. "We were very excited about the opportunity to test the drill hardware and procedures long before any mission launches."

—By S. Jenise Veris and Katherine K. Martin



The Honeybee drill is mounted to the translator with the soil bin at the base of the VF-13, prior to installation of the cold wall.

News and Events

Free Addresses Future Leaders

Center Director Jim Free acknowledged the value of the future generation of leaders during an interactive talk with high school, college and Pathway interns, July 28. Free discussed his leadership style, what is expected of a leader and how students can develop their own leadership skills in preparation for their future careers. “Don’t be afraid to take risks or ask questions,” he advised. Students tweeted during the event. Free answered questions from students on and offsite. Sponsored by Glenn’s Education Office and PAXC (Pathways Cross-Agency Connections), the event originated from Lewis Field and was telecasted live to several other NASA centers.



C-2014-3735

Photo by Michelle Murphy



C-2014-5426

Photo by Marvin Smith

NASA SMA Directors Meet at Glenn

NASA Glenn hosted an Agency Safety and Mission Assurance Directors Meeting at the new Mission Integration Center, Aug. 20 and 21. Terrence (Terry) Wilcutt, chief of NASA’s Office of Safety and Mission Assurance, led conversations on agency and center challenges and opportunities, and facilitated risk management, safety culture and Commercial Crew Program shared authority discussions.

Glenn Supports 2014 Gay Games

Glenn personnel from the Office of Diversity and Equal Opportunity, the LGBT (Lesbian, Gay, Bisexual, and Transgender) employee resource group and others welcomed athletes and visitors to the 2014 Gay Games in Cleveland, held Aug. 9 to 16. During the event, a steady crowd visited NASA’s exhibit and took a souvenir photo at the “Picture Yourself as an Astronaut” kiosk. Nearly 30,000 people participated in this international sporting and cultural event, which is held every 4 years to promote the founding principles of “Participation, Inclusion and Personal Best.” The Games were open to anyone 18 years or older regardless of race, gender, sexual orientation or athletic ability.



C-2014-3707

Photo by Marvin Smith

Aviation Day Tweets

NASA launched a social media campaign on Aug. 19 to celebrate National Aviation Day, the anniversary of Orville Wright’s birthday. “My First Flight” invited employees and the public to reminisce about first flight experiences on their personal Twitter accounts. Many Glenn employees posted their memories and used the hashtags #myfirstflight and #NASAGlenn. The observance honors the first flight, while celebrating the advancements of our nation’s aviation, such as NASA’s S-3 research aircraft, pictured above.



Photo by Luis Beltran

NASA Ames, Armstrong Leaders and Staff Visit Center

Over the past 2 months, Center Director Jim Free, senior leadership and staff have hosted several of their colleagues from NASA's Ames Research Center and Armstrong Flight Research Center. In addition to presenting an overview of the center, they briefed the visitors on several aeronautics and space projects, mission support and integration procedures, and strategic partnership efforts.



C-2014-3580

Photos by Marvin Smith

During their July 29 visit, Ames' Center Director Dr. S. Pete Worden (top picture, far right) and several members of his staff toured the Space Experiments Laboratory. There, Dr. Peter Kascak, Diagnostics and Electromagnetics Branch, gave a presentation on the flywheel energy storage system that Glenn is developing to replace rechargeable chemical batteries on future spacecraft.



C-2014-5239

Armstrong's Deputy Director Patrick Stoliker and Jack Gregory, Jr., the newly appointed director for Mission Support, visited on Aug. 19. During one of several tours, Dr. Rafat Ansari, Fluid Physics and Transport Processes Branch, explained to the guests (pictured above, center and right) how technology that uses the eyes as a window to the body is providing a noninvasive way to detect human health problems.



Photo by David DeFelle

Local Astronaut Honored With Marker in Westlake

A Historical Marker Dedication Ceremony honoring the late astronaut and U.S. Marine Col. Robert Overmyer was held on Aug. 23 in Westlake, Ohio. The city petitioned the Ohio Historical Society to place a historical marker in Clague Park to honor their hometown hero, who piloted space shuttle Columbia/STS-5 and commanded space shuttle Challenger/STS 51-B missions. Center Director Jim Free, who spoke at the ceremony, noted that Overmyer was a NASA classmate of Administrator Charlie Bolden.

Center Golf Outing—Great Weather, Great Scores

Glenn employees and guests participated in the 5th Annual Glenn Golf Outing at Mallard Creek Golf Club in Columbia Station, Aug. 8. A total of 241 golfers participated in the four-person scramble. Weather was perfect leading to some low scores! This year's winners at 14 under par (58) on the Blue 18 were Lizzy Merk, Eric Neumann, Tony Shook and Dave Grantier. Taking the title for the Red 18 at 8 under par (64) were John Marinaro, Lynne Sahay, David Dibenedetto and Hector Cirilo. Win or lose, participants gathered for a meal and conversation with fellow golfers. Check the *Today@Glenn* archives for the scores.



C-2014-5239

Kathy Suzel and Barbara Wamsley head out for fun.



C-2014-5339

Photos by Chris Lynch

Left to right: John DeGreen, Christopher Williams, John Vauter and Anthony Doglio mix athletics with fashion.

Three Named SFA Trailblazers

Three Glenn employees recently received NASA Space Flight Awareness Trailblazer Awards. The awards recognize employees who are in the early stages of their career and demonstrate a strong work ethic and creative, innovative thinking in support of human spaceflight.

David Avanesian, Systems Definition and Communications Branch, was recognized for adapting a team management process that enabled a team to meet critical development milestones in advancing flywheel technology. He also developed tools that advanced Glenn Research Center and the Space Communication and Navigation Program's communication analysis capability. He served as a mentor to several students in Glenn's

internship program over the last 2 years.

Kristen M. Bury, Power Architecture and Analysis Branch, was recognized as the Cryogenic Propulsion Stage Electrical Power System team lead. She performed exceptionally well at directing the efforts of a multicenter team, a task usually reserved for a senior engineer. Additionally, she completed a high-profile analysis for the European Service Module activity for the Orion Multipurpose Crew Vehicle.

Gregory Campbell, Mission Support Office, was recognized for providing strategic direction to the contract team that maintains and operates the institutional communications systems between mission partners within

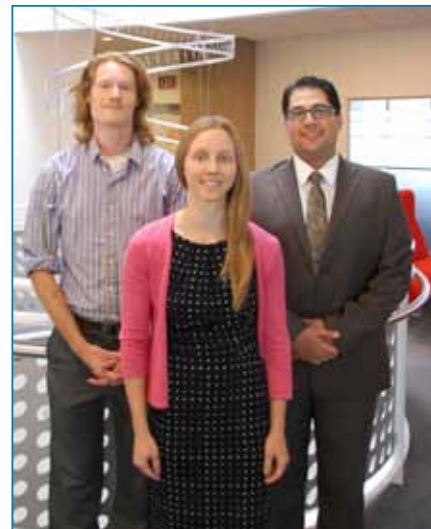


Photo by Doreen B. Zudell

Left to right: SFA Trailblazer recipients: Campbell, Bury and Avanesian.

Glenn and across the agency. He spearheaded multiple projects including a network upgrade for Plum Brook Station to better support Glenn's mission.

Scientist Receives Special Delivery From Space Station



Two International Space Station crew members went an "extraterrestrial" mile to express their gratitude for NASA Glenn ground support. On July 29, astronauts Reid Wiseman (NASA) and Alexander Gerst (ESA) arranged delivery of a German chocolate cake to Dr. Sandra Olson, principal investigator for Glenn's Burning and Suppression of Solids-2 (BASS-II) combustion experiment.

Between May and July, Olson and the BASS-II team dedicated extended hours from Glenn's Telescience Support Center to work directly with the crew to conduct the BASS-II experiment. The close lab-partner collaboration resulted in the successful completion of the BASS-II science and a number of bonus science, as well.

The BASS-II team, standing left to right: Jay Owens and Paul Ferkul, Universities Space Research Association, and Chuck Bunnell, Zin Technologies, seated, with the cake, is Dr. Olson at NASA Glenn's Telescience Support Center. All enjoyed the sweet treat!

Welcome to the NASA Family

Glenn welcomed the following new employees and Pathway interns, who reported for duty/orientation in August: Robert Aaron, Mechanical Systems Design and Integration Branch; Matthew Appleby, Structural Mechanics Branch; Connor Beierle, Power Architecture and Analysis Branch; *Timothy Ferlin, Quality Engineering and Assurance Branch; and Stephanie Parrott, Architectures, Networks and Systems Integration Branch. (*Ferlin entered on July 27 but participated in the Aug. 11 orientation.)



Beierle



C-2014-5208

Photo by Bridget Caswell

Left to right, staggered: Timothy Ferlin, Robert Aaron, Stephanie Parrott and Matthew Appleby.

2014 Combined Federal Campaign Kicks Off

The 2014 Combined Federal Campaign (CFC) kicks off this month. NASA Glenn's CFC team is planning several activities around the theme: "Give For Good."



Current NASA Glenn employees may use Employee

Express to donate to the charities of their choice. Retirees are eligible to participate and invited to help Glenn make an impact through charitable giving. Retirees' tax deductible donations may be accomplished via check made out to the Combined Federal Campaign and sent by Dec. 15 to Dawn Pottinger, NASA Glenn Research Center, 21000 Brookpark Road, MS 60-1, Cleveland, OH, 44135. All employees and retirees who donate are eligible to receive CFC appreciation gifts. For questions, contact Dawn Pottinger, 2014 CFC Chairperson, at 216-433-5063, or dawn.r.pottinger@nasa.gov.

Your participation and support are greatly appreciated!

Key Events: Save the Date!

North Coast CFC Pacesetter Campaign: Sept. 16-Oct. 10

Glenn CFC Kick Off: Sept. 18, MIC Auditorium (B162, R137), 9-11 a.m.

CFC Agency Fair/Ice Cream Social: Sept. 26, Cafeteria, 10 a.m.-1 p.m.

Plum Brook CFC Festival: Oct. 2 or Oct. 3 (tentative/TBD)

Collegiate-Directorate Tailgate Challenge: Oct. 16, Cafeteria 10 a.m.-1 p.m.

Basket Raffle/Halloween Costume Contest: Oct. 30, MIC Auditorium (B162, R137), 8 a.m.-2 p.m.

Cook Off Competition: Nov. 14 (location TBD)

New Features on Glenn's Ombuds Program Website

Do you have an issue or concern and are unsure of who to call to obtain resolution? If so, the Glenn Ombuds Program may be able to help. The Glenn Ombuds Program provides a supplemental and confidential channel of communication to raise significant issues and concerns that employees believe could impact safety, organizational performance and mission success. It provides an alternative to be heard and offers another option when pursuing issue resolution. Be sure to bookmark this website so you have easy access to the information and points of contact for questions. Visit <http://ombuds.grc.nasa.gov/index.cfm>, for details.

More Than a Memory

Charles D. Pennington Sr., 79, a 1994 retiree with 34 years of federal service, died July 19. Pennington was a U.S. Air Force veteran and active reservist throughout his 30-year NASA career. He primarily served in the Test Installations Division as an aerospace laboratory mechanic after graduating from NASA's Apprentice Program in 1968. Pennington earned several NASA Group Achievement and Special Act Awards for his support to the research and tests conducted in the 10- by 10-Foot Supersonic Wind Tunnel.

Calendar

POW/MIA REMEMBRANCE: The 2014 POW/MIA observance is scheduled for Thursday, Sept. 18, from 1 to 3 p.m., Administration Building Auditorium.

BROWN BAG SEMINAR—BACKYARD COMPOSTING: Learn how to compost household yard waste and food scraps during a brown bag lunch, Wednesday, Sept. 24, noon to 1 p.m., building 15, Small Dining Room. A representative from the Cuyahoga County Solid

Waste District will discuss backyard composting. Composting bins may be pre-ordered. For information, contact bethany.m.gigante@nasa.gov.

OCTOBER PUBLIC TOUR: The last Saturday tour for the 2014 season, Oct. 4, will highlight the high bay clean room, which houses the Space Communication and Navigation (SCaN) Testbed ground integration unit. Space is limited and reservations are required

for admission. To register, call 216-433-9653 or email sheila.d.reese@nasa.gov.

IFPTE LOCAL 28, LESA MEETING: LESA will hold its next membership meeting Wednesday, Oct. 8, noon, at Glenn's Employee Center's Small Dining Room.

Connect with Glenn



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Read *AeroSpace Frontiers* online at <http://aerospacefrontiers.nasa.gov>

Glenn Surpasses 2014 Feds Feed Families Goal

Thanks to the ingenuity and generosity of Glenn employees, the center collected 4,510 pounds of food for the 2014 Feds Feed Families food drive. This exceeded our goal by 225 percent!

The Lewis Field FoodStruction event, Aug. 18, brought in more than 1,000 pounds of food. Seven teams built tabletop structures out of cans/products donated by their directorate, with additional cans donated by employees to vote for their favorite structure. Plum Brook Station's Donuts for Donations appealed to employees' sweet tooth to collect 200 pounds of food. The building that filled its box first, won four dozen donuts.

The Office of the Director led the Directorates with 31.77 pounds per person, while the NASA Safety Center led the total 743.8 pounds in donations.

"Thank you so much for your support!" said Andrea Bonesteel, Food Drive coordinator. "Because of all of you, many families in our local communities who would otherwise go hungry, will now, have food on the table."

—By S. Jenise Veris

Top, clockwise: Associate Director Janet Watkins, Center Champion (far right), presents FoodStruction trophy for Code J's Rubik's Cube; 2nd, Code A's Glenn hangar; 3rd, Code B's U.S. Flag; and 4th, Code C's Gift Tree; Several Space Power Facility residents gather to enjoy their well-earned donuts; PBS Food Drive coordinators Stan Grinisk and Dawn Schneider load donations.



Photo by Andrea Bonesteel



Plum Brook photos by Larry Opper



FoodStruction runners up by S. Jenise Veris

