Center Establishes Hall of Fame; Inducts First Class

In recognition of those who built exemplary careers and contributed to NASA Glenn’s success, six individuals and one group of researchers were inducted into the center’s new Hall of Fame, Sept. 25.

The event was held at Lewis Field and featured remarks by Center Director Jim Free and NASA Chief Historian Dr. William Barry. WKYC meteorologist Greg Dee served as master of ceremonies.

“Tis inaugural induction opens the doors to what will be a monument of the highest honor to the pioneers, trailblazers and champions who have come before us,” said Free.

Continued on page 3

Glenn Prepares for 75th Anniversary

NASA Glenn will celebrate its 75th anniversary beginning in January 2016. To commemorate the occasion, the center recently announced open house dates and unveiled its 75th anniversary logo.

The center will host multiple events throughout its anniversary year, including two open houses. Lewis Field campus will open to the public May 21 and 22, and Plum Brook Station will hold its open house June 11 and 12.

Continued on page 2

In This Issue

Director’s Safety Corner .......... 2 Can-Do Spirit Aids Families ........ 4 FIRST Mentor Gives Back ........ 5
SFA Trailblazers Named .......... 2 Focus on Ohio Aerospace ........... 4 Trending With Tech Transfer ...... 5
SAFFIRE Completes System Acceptance Review!

Please join me in congratulating the SAFFIRE (Spacecraft Fire Safety Demonstration Experiment) team for successfully completing the SAFFIRE I, II and III System Acceptance Review. SAFFIRE will provide critical flight data for developing spacecraft fire safety strategies for future exploration vehicles. This accomplishment reflects the hard work of a dedicated cross-organizational team to enhance the safety of humans on future exploration missions. It also demonstrates the effectiveness of applying a lean development approach with the use of tailored requirements while assuring safety and mission success. This is an excellent example of how safety of the crew for future exploration is the cornerstone of our mission.

I look forward to a successful mission. —Jim

Combined Federal Campaign Upcoming Events

Campaign Ends Friday, Dec. 4

International Food Fair
Friday, Nov. 20, 11 a.m.–1 p.m.
Ad Bldg. Foyer

Art Show & Pie The Manager
Friday, Dec. 4, 11 a.m.–1 p.m.
MIC Auditorium and Foyer

Three Honored as SFA Trailblazers

This fall three Glenn employees received NASA Space Flight Awareness Trailblazer Awards. The awards recognize employees who are in the early stages of their career and demonstrate outstanding work ethic and creative, innovative thinking in support of human spaceflight. Glenn honorees include:

Maxwell H. Briggs, Thermal Energy Conversion Branch, was recognized for advancing the technology readiness of space fission power systems through high-fidelity system demonstration tests and reduced gravity flight experiments that pave the way for nuclear power on future human exploration missions.

Kyle A. Johnson, Mechanisms and Tribology Branch, was recognized for consistently demonstrating highly creative approaches to advancing the development of future space flight hardware and innovative new robotics designs; and maintaining a vision of innovative team contributions to new concepts and mechanisms.

Steven M. Korn, Power Architecture and Analysis Branch, was recognized for mastering and continuing the development of the NASA premier space electrical power system simulation code, System Power Analysis for Capability Evaluation (SPACE) and its application to collaboratively support NASA’s human space flight missions.

The logo features an image of the center’s distinctive hangar, a symbolic orbital trajectory, and the message, “Our Past. Our Present. Your Future.” Graphic artist Terry Condrich, ATS/Logistics and Technical Information Division, designed the anniversary logo.

“Throughout our history, Glenn has been leading aerospace development for the nation and industry. Almost every aircraft and spacecraft today contains Glenn technology,” said Center Director Jim Free. “The anniversary logo is a fitting image to represent our 75 years of aeronautics and space accomplishments.”
Hall of Fame

Continued from page 1

The first induction was held in celebration of the 100th anniversary of the National Advisory Committee for Aeronautics (NACA), which became NASA in 1958. The ceremony included video tributes to each inductee and a presentation of plaques to honorees or a representative.

Kelly Gilkey, Fluid Physics and Transport Processes Branch, proudly watched inductee Dr. Simon Ostrach receive his recognition.

“This is a wonderful way to honor individuals who have truly left their mark on NASA and in their respective fields of study,” said Gilkey. “Dr. Ostrach served as a mentor to me during my days as a student at Case Western Reserve University and he continues to be an inspiration. He and his fellow ‘Giants of Heat Transfer’ revolutionized our understanding of fluid flow and heat transfer in microgravity.”

Prior to the inductee ceremony, 35 NACA retirees and their guests gathered at the Mission Integration Center (MIC) to attend a NACA reunion. Center Director Free welcomed the attendees and kicked off the event, which included speakers who provided overviews of aeronautics research and the Center’s Master Plan, and a tour of the MIC. Barry presented a “NACA at 100” overview and Anne Mills, Glenn history officer, previewed the center’s upcoming 75th anniversary celebration activities.

Mills, on detail in the Office of Communications and External Relations (CP), was deputy project manager for Glenn’s planning and execution of this year’s NACA centennial and the center’s 75th anniversary celebrations. She coordinated this event with assistance from CP and Logistics and Technical Information Division staff members.

The next Glenn Hall of Fame induction is planned for 2016 during Glenn’s 75th anniversary. Subsequent ceremonies will take place on milestone anniversaries.

By Doreen B. Zudell

2015 Inductees

Annie J. Easley, computer programmer and equal opportunity pioneer

Bruce T. Lundin, former center director and advocate for the NACA evolution as a space agency

James J. Modarelli, designer of the NASA insignia and outreach program

I. Irving Pinkel, leader in aerospace safety research

Edward “Ray” Sharp, first center director and champion of early center advocacy and growth

Dr. Abraham “Abe” Silverstein, former center director and architect of the early space program

“The Giants of Heat Transfer,” Dr. Robert Deissler, Dr. Simon Ostrach and Dr. Robert Siegel, world-renown researchers whose theories transformed the body of knowledge of heat transfer.

For more information, visit http://go.nasa.gov/1GweHOg.
News and Events

Center Observance Honors POW/MIAs

Glenn’s Veterans Awareness Committee (VAC) held its annual National Prisoner of War, Missing in Action (POW/MIA) Recognition Day, Sept. 17, to honor those who were POWs and those who are still MIA. Major Derek M. Pottinger, a U.S. Army chaplain (active duty and reserves) gave the keynote address. Lorain High School’s Army Junior Reserve Officer’s Training Corps (pictured) presented and retrieved colors, and presented the Missing Man Table. Amanda Shalkhauser, LEI/Occupational Health Branch, performed taps.

Federal “Can-do” Spirit Helps Fight Hunger

Many lives throughout Northeast Ohio will benefit from Glenn employees’ selfless giving during this year’s Feds Feed Families campaign, Aug. 17 to Sept. 25. The center surpassed its goal of 6,000 pounds in donations to raise a total of 13,070 pounds of food, beverage and personal items. The Office of the Chief Financial Officer (OCFO) led all Glenn directorates in total donations and received the most votes for their sculpture, themed “Etch out Hunger,” during the CanStruction competition. Pictured: Christina Sullivan, with OCFO’s NASA Etch-a-Sketch, constructed with Beth Polansky, Julie Scheneman, Cory Smith and Dan Coyne.

Dr. Kavandi Participates in Event Focusing on Ohio's Aerospace Capabilities

Deputy Director Dr. Janet Kavandi represented NASA Glenn at this year’s Ohio Aerospace Day, held at the Statehouse in Columbus, Oct. 6. She served as a panelist for a discussion on “Commercialization and Its Importance to the Air Force and NASA Missions and Ohio’s Supply Base.” Kavandi’s presentation and the NASA exhibit showcased Glenn’s capabilities and technology transfer and commercialization-related partnership opportunities. Industry and university officials, state legislators and legislative staff attended the event.

Win It Wednesdays: Fun and Fellowship

Center Director Jim Free hosted the inaugural Win It Wednesday event, held at the Lewis Field Picnic Grounds, Sept. 2. Participants vied for prizes in a scavenger hunt, where they searched for historic information on Glenn, and tried to kick a soccer ball past a manager to score a goal. Free, Samantha Brinkman and Tom Hartline (pictured) won the coveted Scavenger Hunt trophy. Sean Gallagher, who fended off the most goals, earned the Beat the Manager Penalty Kick trophy. The next Win It Wednesday will take place in January. Watch Today@Glenn for more details.
Johnson Shows How FIRST Mentoring Can Make a Difference

Kyle Johnson, Mechanisms and Tribology Branch, can attest to the value of mentoring.

As a junior at Midpark High School in 2003, Johnson became involved in the FIRST (For Inspiration and Recognition of Science and Technology) Robotics program. Under the direction of NASA Glenn mentors Kathleen Tacina and John Wolter, Johnson learned not only about robotics but also about project management and teamwork.

Two years later, he changed roles and became a FIRST Robotics mentor, overseeing two robotics teams over a 5-year period. He did this while pursuing a mechanical engineering degree at The Ohio State University.

Johnson started as a NASA co-op in 2008 before becoming a full-time employee in 2010. He continues to mentor the Berea-Midpark High School team, along with Wolter.

“FIRST is very special because it helps give students a leg up working with professionals who provide technical support and counsel,” he said. “As a mentor, I’m sharing not only engineering skills but important life skills, such as better organization and communication skills that have helped me on the job and in my outreach.”

Stephanie Brown-Houston, FIRST project manager, Glenn’s Office of Education, said Johnson is a wonderful example of how mentoring can mold a career. She and Tim Dedula, along with other veteran mentors and volunteer staff, are working to attract and retain similar mentors to support FIRST teams among the Cleveland Public Schools.

Trending With Tech Transfer
Nickel-Titanium Alloys Expand

NASA Glenn has signed a partially exclusive, term-licensing agreement with Puris LLC, a Bruceton Mills, West Virginia-based company, to produce nickel-titanium (NiTi) alloys for commercial use.

Puris’ additive manufacturing techniques enable the company to produce these alloys more efficiently and with fewer defective parts. Puris’ ability to manufacture these alloys to near-net-shape production allows the NiTi alloys to reach a market that can greatly benefit from the alloys’ unique properties. The technology will primarily be used for bearings in wind turbines, turbochargers and aircraft engines, as well as applications requiring precision bearings, such as timepieces, machine spindles and semiconductor manufacturing equipment.

The licensing agreement permits Puris to sell small samples of NiTi alloys to better assess the market and pricing for this product.

Puris previously partnered with Glenn in producing and manufacturing metal powders, including NiTi alloys, for NASA mission work. One such alloy, NiTiNOL 60, is used for bearings in the International Space Station’s urine processors.

To learn more about licensing, or finding applications for your technology beyond the space program, contact Amy Hiltabidel (amy.hiltabidel@nasa.gov).
Awards and Honors

Maria Arredondo, Office of Education, received a Women of Color (WOC) Technology Rising Star Award during the 20th annual Women of Color STEM Conference, Oct. 16. The award is one of the outstanding achievement awards presented by the Career Communications Group, publisher of Women of Color magazine, and based on employer recommendations for young women helping to shape technology for the future. Arredondo was honored for “innovative use of technology and dynamic regional and national partnership to advance high-quality STEM education opportunities for students.”

The Girl Scouts of North East Ohio (GSNEO) recognized NASA Glenn with the Advancing Women Award at their annual Women of Distinction event, Sept. 25. Glenn was cited for “exemplary leadership and outstanding dedication to mentoring and empowering women in the workplace and nurturing our future female leaders through community programs and volunteerism.” Associate Director Janet Watkins, center—with a group of Glenn employees committed to advancing women and inspiring girls—accepted the award. Interested in participating in NASA/Girl Scout outreach events? Contact Dennis Stocker, 3–2166.

Welcome to the NASA Family

Glenn welcomed five new employees who recently reported for orientation. They include Andrew Fausnaugh, Space Combustion and Materials Branch; Harmony Myers, Technical Excellence Office; Brandon Peery, Engineering Management Branch; Jeffery Robinson, Wind Tunnel and Propulsion Test Branch; and Darrell Williams, Office of Protective Services.

Promotions

Glenn’s Facilities, Test and Manufacturing Directorate announces the following promotions:

Thomas Vannuyen has been named chief of the Machining Branch in the Manufacturing Division, effective Sept. 20. He began his NASA career as an apprentice in the Machine Shop in 1985 and has worked in a variety of aeronautics and spaceflight projects. Prior to this selection, Vannuyen was pyrotechnics lead for the Orion Service Module.

Sandra Buettner has been named deputy of the Wind Tunnel and Propulsion Branch in the Testing Division, effective Sept. 28. She has 18 years of experience at Glenn and has served in many roles in the Testing Division. Some of these include tactical team electrician, electrical test engineer, facility manager and electrical technical lead engineer.
More Than a Memory

Terry W. Gabel, 68, a 2005 retiree with 14 years NASA service, died Oct. 8. Gabel was an Air Force veteran of the Vietnam War, who joined the NASA workforce in 1991 as an engineering technician. He worked in the Central Air Dispatch supporting research and development relative to Central Process Systems.

William “Bill” R. Kerslake, 85, a 1985 retiree with 33 years of service, died Sept. 29. Kerslake was a 3-time Olympic wrestler and chemical engineer who joined the center (NACA-Lewis) in 1951 after graduating from Case Institute of Technology. He continued to compete through 1960 while pursuing research in chemical scram-jet and rocket propulsion at NASA-Lewis. Later, Kerslake transferred to the Electromagnetic Propulsion Division to work on developing the first successful ion engine to operate in space and finished his career researching rail accelerators. His NASA legacy continues through his son, Tom Kerslake; daughter Ann (Kerslake) Over; and grandson, Kyle Johnson.

Charles “Chuck” Mealey, 80, a 1986 retiree with 31 years of NACA/NASA service, died April 30. Mealey was an electrical engineer who spent most of his career in the Data Processing Branch, which today is the Computer Services Division (CSD). In 1984, he was appointed head of CSD’s Systems Hardware Section and retired as head of CSD’s Micro/Mini Computer Systems Branch. Mealey was also a pilot.

Dr. Solomon “Sol” Weiss, 92, a 1980 retiree with 32 years of NASA service, died Oct. 13. He was an Army/Air Force Purple Heart veteran and a POW of World War II, who joined NACA in 1948 after graduating the Polytechnic Institute of Brooklyn. The former B–24 pilot was recruited for the Crash Fire Program performing flight tests and investigating fire versus toxic gases related to fatalities in the aircraft; then Project Bee, testing liquid hydrogen-fueled aircraft. Weiss also headed the Nuclear Technology Office and managed the Aerospace Safety Research and Data Institute.

Retirements

Dr. James A. DiCarlo, Materials and Structures Division, Research and Engineering Directorate, retired Oct. 3, 2015, with 48 years of service.

Saundra R. Gage, Exploration Systems Branch, Procurement Division, retired Oct. 31, 2015, with 30 years of federal service, including 28 years with NASA.

John D. Taylor, Systems Engineering and Architecture Division, Research and Engineering Directorate, retired Oct. 31, 2015, with 33 years of service.

Retiring soon?
Be sure to fill out a GRC431 form. It ensures your retirement is placed in the newsletter and secures home-delivery of the newsletter.

Calendar

FEHB HEALTH FAIR: The Federal Employee Health Benefits (FEHB) Open Season Health Fair will be held Monday, Nov. 16, from 9 a.m. to 2 p.m. in the upper level of the Cafeteria, bldg. 15.

WINTER HEALTH FAIR: Glenn’s Fitness Center staff is hosting a Winter Health Fair, Wednesday, Nov. 18, from 9 a.m. to 3 p.m. in the Cafeteria, bldg. 15. Get a Free 5-minute chair message, take a 1.5-mile walk, view wellness demonstrations, talk to vendors, enter prize drawings and more! POC: Bianca Gatto, 3–6313.

NASA RETIRED WOMEN’S LUNCHEON: The next luncheon will be held Thursday, Nov. 19, 1 p.m. at Don’s Lighthouse, 8905 Lake Ave., Cleveland. Please contact Gerry Ziemba, 330–273–4850 or email gto64gerry@yahoo.com to reserve your space.

LEADERSHIP FOCUS SERIES: The Office of Human Capital Management’s Human Capital Development Division wraps up its Leadership Focus series with two interactive workshops. The series takes participants through a journey of self-discovery and both team leadership and organizational excellence. The final events focus on Team: “The Power of Trust” (GRG-8G1517), Nov. 19; “Manager as a Coach” (supervisors only): Dec. 8. Both workshops are 2 hours long (10 a.m. to noon) in the MIC Auditorium. POC: Becky Paserk, 3–5580.

IFPTE LOCAL 28, LESA MEETING: LESA will hold its next membership meeting, Wednesday, Dec. 9, noon, in the Glenn Employee Center’s Small Dining Room.

HOLIDAY SHOPPING: Save time and money this holiday season by shopping at NASA’s Exchange Store, located in the Employee Center, bldg. 15. Find a variety of NASA-related items such as apparel, glassware, toys and freeze-dried ice cream. Store hours are Monday through Friday, 9:30 a.m. to 3 p.m. POC: Connie Carrol, 3–5535.
Safety and Health Awareness Day: We Choose Safety

Glenn’s Safety and Mission Assurance Directorate (SMAD) Director Anita Liang gave the opening remarks and announced the theme, “We Choose Safety,” to kick off this year’s Safety and Health Awareness Day, Sept. 23. Liang and the SMAD staff hosted the annual event featuring a captivating group of agency and industry speakers, information booths, a health walk and a mishap panel that focused on employees making safety a personal choice.

During welcoming remarks, Associate Director Janet Watkins asked for employees’ full support for the Safety Egress and Housekeeping Initiative. The goal is to spruce up the center and ensure a safe and welcoming environment when we open our doors and allow the public inside to glimpse our world-class facilities and technology next year.

Keynote speaker astronaut Terry Wilcutt, NASA’s SMAD chief, presented “Yes-If” coins to Jeff Swan, deputy chief of the Testing Division; and Bill Schoren, Reliability and System Safety Office. The coin is given to individuals that exemplify the spirit of ingenuity, creativity and commitment to safety with a “Yes-If” approach to getting things done. Swan received the coin for his leadership to the Area 4 Safety Committee, while Schoren received it for tailoring the requirements and processes for the Spacecraft Fire Safety Demonstration Project. Wilcutt suggested reading excerpts of the Challenger and Columbia Mishap reports annually as a reminder of the importance of speaking up despite majority opinion, and emphasized dissenting opinion process.

Presentations by industry consultant Carl Potter of Potter and Associates; as well as NASA Marshall’s Bruce Tiller, Space Launch Systems Booster deputy manager, and Steve Cash, MSFC SMA Director, followed. Their presentations advocated taking personal responsibility that goes beyond routine safety measures to identify areas of potential workplace hazards. The afternoon Mishap Panel discussion provided insight into lessons learned about a C4 Compressor mishap and the Antares Rocket mishap, last year.

By S. Jenise Veris