

Retirees Gather for Briefing at Lewis Field

Director Stays in Touch With Valued Family Members

Center Director Ray Lugo invited NASA Glenn retirees to Lewis Field on Dec. 6 for a special briefing on the center's current activities and future goals. During his overview, Lugo highlighted Glenn's research, budget, strategic partnerships, economic impact in the community and facility modernization. A question and answer session with the director followed.



C-2010-5488

Held in the new Briefing Center, the event offered opportunities for retirees to visit core competency kiosk stations where they could talk in more detail with employees about research efforts. Retirees also had time to socialize, enjoy light refreshments and purchase NASA-related items from the gift shop.

—By Doreen B. Zudell

Photos by Bridget Caswell



C-2010-5490



C-2010-5498



C-2010-5478

Former Center Directors View Portraits

Paintings Grace Administration Building Foyer



C-2010-5537

Photos by Marvin Smith

Center Director Lugo, right, addressed former Director Donald Campbell, left, and members of the center leadership team during the portrait viewing.

Prior to a retiree briefing on Dec. 6, Center Director Ray Lugo and the Senior Leadership Team invited former center directors to a special portrait viewing in the Administration Building Foyer. The traditional photographs for Glenn's former center directors have been replaced with hand-painted oil reproductions made from high-resolution digital photos.

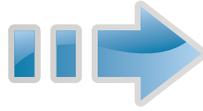


Former Director Dr. Julian Earls stands by his portrait.

C-2010-5535

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Center Director Lugo

Building on a Successful Year

Looking back upon 2010, I think there are very few who would argue that we had a successful year. I truly believe NASA Glenn is positioned well not only for 2011, but for the future. We're positioned well because we have a workforce willing to change and prepare for the exciting things we will do in the future. The list of our accomplishments this past year is long, but I thought I would highlight just a few. I know I run the risk of not recognizing everything, but here are some achievements you might remember.

Near to my heart and the cornerstone of our values, is the safety and well being of our workforce. We continued to emphasize improving our safety culture. We conducted a highly successful Safety Day and Clean Up Campaign while we implemented a number of safety initiatives. We have not had a lost time injury in almost 6 months. Meeting our environmental stewardship, we received perfect scores on two environmental ISO 14001 audits.

The staff of the Office of the Chief Financial Officer assisted the agency in obtaining a qualified opinion on its Consolidated Balance Sheet and Combined Statement of Budgetary Resources. This huge accomplishment allows NASA to maintain public trust through safeguarding our assets and promoting integrity in our financial stewardship.

We played an active role in moving our process improvement initiatives forward by leading, facilitating and participating in Lean Six Sigma projects and promoting continuous improvement ideas across the center.

We contributed strongly to the creation of the new Space Technology Roadmaps for NASA, the first major accomplishment of the Agency's new Office of the Chief Technologist.

They will be the reference document that affects NASA's investment strategy in new technology for many years.

We partnered with industry and other government agencies to demonstrate and mature high payoff technologies in our facilities such as the open rotor testing. We've also been successful in implementing strategic institutional projects, evidenced by the renewal and recapitalization activities throughout the center.

We successfully received our recertification in AS 9100, created the internal audit program outline, and defined all of the auditable processes and their alignment to the center's key processes.

We're making great progress with CoNNeCT as the payload continues its acceptance and verification tests, and our participation in HEFT has been a significant effort as the agency conducts trade studies to help define the future programs. Our continued accomplishments on the SCaN program have been recognized with further work and involvement across all aspects of this critical program.

We continue to be the cornerstone to the agency's Research and Technology effort. In addition to all the great things we're doing in research, our research teams received four R&D 100 Awards this year for development of the Thin Film Reflectarray Antenna; the GATR "Beachball" Inflatable Satellite Communication System; the Coiled Wire Mesh Spring Tire; and the Low Plasticity Burnishing Process for Turbine Blade materials.

Glenn's network was upgraded to Giga-bit speeds to end users, we increased our centerwide wireless networking, and we're paving the way for NASA TV to computer desktops in 2011.

We reshaped the workforce to meet commitments and ensure future research and engineering excellence by hiring over 70 external hires, including 38 new Co-op hires. We implemented the GRC Leadership University and led the agency's effort for the Summer of Innovation. Glenn's Summer of Innovation impacted over 1200 direct underserved, underrepresented and underperforming middle school students and 50 teachers received STEM experiences.

I know I barely scratched the surface of the amazing things we do each and every day, and I want to thank you for all your efforts. I need you all back safe and sound in 2011. I know I can count on the men and women of NASA Glenn to deliver when the stakes are high, and I am blessed to be your leader.

What's Happening Around Glenn?

Find Out on Ray's Blog

Forget the water cooler...if you want to know what's going on around NASA Glenn, why not check out Ray's Blog? Launched in early December, this new interactive website on Glenn's Intranet, or WING, features regular journal entries written by Center Director Lugo on a wide variety of work-related topics. Access to Ray's Blog is only available to Glenn civil servants and contractors

While visiting the blog, employees may read Director Lugo's latest entry, comment on a post or ask a question on any work-related issue via the "Ask Ray" page. If an employee wants to submit a comment or ask a question, he or she must include his or her name, as no anonymous submissions will be allowed. According to Lugo,

Continued on page 3

Propelling Glenn Forward: Our Center Directors

Campbell Led Center Through Transitional Time

This is the eighth in a series of articles spotlighting NASA Glenn's center directors.

Donald J. Campbell, the first civilian director, left the post of Director of Science and Technology, Office of the Assistant Secretary of Air Force for Acquisition, to take the helm at NASA Lewis in 1994. He brought with him recognized research and leadership expertise in the areas of gas turbine engines, ramjet engines, rockets, aerospace power systems and fuels and lubricants.

Campbell began his government career in 1960 as a test engineer for gas turbine engines and engine components in the Air Force Aero Propulsion Laboratory at Wright-Patterson Air Force Base (AFB), Dayton. He rose through the ranks to become the first civilian Director of the Aero Propulsion and Power Laboratory at Wright-Patterson.

While at Lewis-Glenn, he led the center in making great strides in propulsion and power technology for aeronautics, aerospace and space applications. He served as Center Director for almost 10 years and ushered in the center's name change from NASA Lewis to NASA Glenn at Lewis Field in April 1999. He was the first director of Glenn. In October 2003, he was selected to lead NASA's Special Projects Office of Nuclear Power Systems reporting to the NASA Deputy Administrator. Campbell retired from government service in April 2004.

AeroSpace Frontiers recently caught up with Campbell and asked him a few questions about his time at NASA Lewis-Glenn, and what's keeping him busy these days.

What brought you to NASA?

An outstanding reputation in propulsion and power technology and ongoing space research drew me to the center. The ongoing programs were raising the boundaries of technical excellence and opening new challenges for space exploration. I also had close associations with some of the NASA programs.

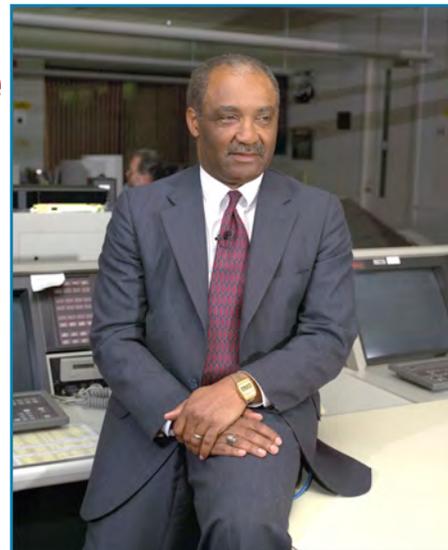
While employed by the Air Force, I worked on several NASA projects, including space shuttle and the AF-Lewis Full-Scale Engine Research Program. I also worked with notable NASA leaders, including Dr. Wesley Harris, NASA Associate Administrator for Aeronautics.

What is the fondest memory of your time as Center Director?

When I arrived at the center, the NASA Administrator was initiating major changes in the agency. Our Center Management Team took on the challenges, with the support of a workforce dedicated to accomplishing the center's mission and goals, despite personnel reductions and cost-cutting measures. We performed outstandingly to become known as the "can do center" within the agency. It showed the bottom line: employees are the brick and mortar of the center. I was also proud of developing a multicultural and diverse workforce that came together in accomplishing those goals.

What advice would you give young people entering the NASA workforce?

NASA offers opportunities to work with outstanding individuals who are among the nation's finest researchers. As you enter the workforce, start with a willingness to learn from both peers



C-1994-1506

Photo by Marvin Smith

Director Campbell gave his first message to the center in 1994 from Central Control, building 143, via NASA TV.

and supervisors. Set both professional and personal goals. Remember the progress that has taken place from the Wright Brothers first flight to the current space shuttle. Think about the next breakthrough and how you can be involved. Stretch yourself. You won't regret it.

What keeps you busy these days?

I consult for the Department of Defense, NASA and private industry, and dedicate a good portion of my time on the board of several universities and nonprofit organizations. I'm also working on my golf game to compete with Julian, Woodrow and Ray.

—By Doreen B. Zudell

Center Director's Blog on WING

Continued from page 2

"Since my goal is to maintain an open and honest relationship with employees, it's only fair to expect them to tell me who they are and what their concerns are."

Why would someone as busy as the Center Director want to start a blog? "Since I'm on the go so much, I want to make sure employees are given timely updates on senior management's activities, rather than having to wait for them at the next All Hands Meeting," said Lugo. "Plus, I want to hear from employees—what they think about our work and any suggestions they may have on how or what we're doing. Having a blog allows me to do both in real time."

So far, Ray's Blog is proving to be a popular hot spot among employees. The jury is still out, however, if it will become the water cooler of the future.

—By Kelly R. DiFrancesco

2010 Year in Review

Twenty-ten was a year of transition for NASA Glenn. Center leadership initiated changes across a number of areas to maximize the center's investment in personnel and infrastructure and to support the agency's new direction and approach to spaceflight exploration. This issue takes a look back to remember some of the key headlines from the past year.

PBS Construction Milestone

Glenn completed a construction milestone on April 29, with the final major concrete pour for the Reverberant Acoustic Test Facility, one of several enhancements to establish one-stop environmental testing underway in the Space Power Facility at Plum Brook Station (PBS).



C-2010-1901
Photo by Christopher Lynch



C-2010-1113

Photo by Michelle Murphy

Dr. Whitlow Takes New Post

NASA Administrator Charles Bolden appointed Glenn Center Director Dr. Woodrow Whitlow Jr. as associate administrator for Mission Support at NASA Headquarters. On Feb. 3, Glenn employees, family members and community leaders gathered for his farewell celebration.



C-2010-1186

Photo by Bridget Caswell

Visitor Center Relocated

Over 600 Glenn employees and guests participated in A Stellar Celebration, March 18, highlighted by a tour of NASA exhibits relocated to the Glenn Visitor Center at the Great Lakes Science Center.



Photo courtesy of NASA

Summer Education Pilot

Glenn employees led the agency in a variety of events supporting NASA's Summer of Innovation (SoI) pilot program. SoI focuses on engaging middle school students using NASA-related activities to stimulate interest in science, technology, mathematics and engineering education while minimizing a loss of skills in the summer gained over a school year.

NASA Artifact Gets New Home

The Apollo Command Module, an 11-foot tall, 12,800-pound historical icon housed in Glenn's onsite visitor center for nearly 25 years, joined 50-plus exhibits and artifacts at the NASA Glenn Visitor Center in the Great Lakes Science Center on June 22.



C-2010-2646

Photo by Bridget Caswell



C-2010-4255

Photo by Marvin Smith

New Glenn Center Director

Administrator Bolden named Ramon "Ray" Lugo III director of NASA Glenn during Bolden's visit to Cleveland on July 9. During his first All Hands meeting on Oct. 18, Lugo shared results from an agency senior leadership retreat at Headquarters.



C-2010-5218

Photo by Bridget Caswell

Glenn Partners for Fuel Efficiency

Glenn initiated a pilot program in November with the local Environmental Protection Agency to promote alternative fuel use. The program aims at reducing the carbon footprint and greenhouse gas emissions of federal fleets.



C-2010-4931

Photo by Marvin Smith

Leadership Presents Strategic Plan

Center Director Lugo held an All Hands Meeting for centerwide commentary on Glenn's Strategic Action Plan, Oct. 25. He and members of Glenn's senior management presented a draft of the plan that better aligns the center with the agency mission and solicited employee suggestions for revisions.

New Office Building

On Aug. 27, NASA Glenn broke ground for the Centralized Office Building, the flagship project within the Facilities Master Plan to consolidate and renew Glenn facilities.



C-2010-3846

Photo by Michelle Murphy



Ho Ho Ho From Santa Lugo

Center Director Ray Lugo and the Center Leadership Team shared some cheer with employees during the Center Holiday Gathering at Lewis Field on Dec. 6. “Santa” Lugo led the festivities, which included informal conversation and refreshments provided by Acorn Food Services. Employees also had a chance to extend well wishes to Associate Deputy Administrator Charles Scales, who retired on Dec. 16. Pictured is Lugo presenting a Glenn memento to Scales during the event. Elves Lori Manthey, executive officer to the Office of the Director, and Mary Holland, executive assistant to Scales, look on.



C-2010-5555

Photo by Marvin Smith



C-2010-5505

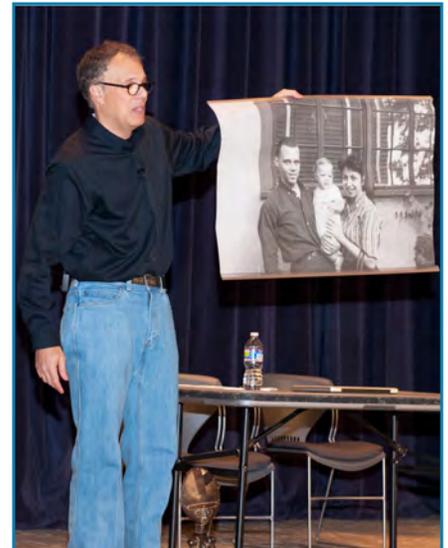
Photo by Bridget Caswell

Local Mayors Receive Update

On Dec. 7, 21 mayors and representatives from Northeast Ohio counties visited Glenn to meet new Center Director Ray Lugo and hear an overview on center work and outreach activities that benefit local communities. Held in the new Briefing Center, the event also enabled guests to stop at kiosks and learn more about Glenn’s research efforts. Pictured are Dennis Huff, deputy chief of Glenn’s Aeropropulsion Division; Ron White, representing the mayor of Independence; Frank G. Jackson, Mayor of Cleveland and Center Director Lugo.

Speaker Reenacts Quest

Actor/author Michael Sydney Fosberg performed his one-man show, “Incognito,” during Glenn’s 2nd Annual Diversity Day, Dec. 9. Fosberg engaged the audience in a play that reenacts his quest to discover his biological father’s identity—African-American—and his journey to uncover and discover his self, roots and new family. The day’s event also featured vendors selling fair trade, green and multicultural products and exhibits by Glenn advisory groups and local nonprofit organizations in the Main Cafeteria.



C-2010-5724

Photo by Michelle Murphy



C-2010-5305

Photo by Michelle Murphy

Astronaut Returns Home With Mementos

Cleveland native astronaut Mike Good, a veteran of four spacewalks, made several appearances for hometown fans Nov. 13–14. On Saturday, Good appeared at the Great Lakes Science Center to give a talk, autograph lithographs and introduce the OMNIMAX movie, Hubble, before heading to the Quicken Loans Arena to a Cavaliers game to present the Cleveland Cavaliers jersey that flew with him during a recent mission. As a special guest at the Cleveland Browns game on Sunday, he presented the Browns jersey that also flew aboard the Atlantis mission. Good is pictured talking with Browns fans.

NASA Leaders Support STEM

NASA leadership and Glenn's External Programs Division supported two Science, Technology, Engineering and Mathematics (STEM) events at Blanchette Middle School and Elementary School in Inkster, Mich. in December. Inkster native former Glenn



Photo by Manual A. Wilson

Director Dr. Woodrow Whitlow Jr., Center Director Ray Lugo, Center Operations Director Robyn Gordon, External Programs Director and astronaut Mike Foreman and the Program and Project Assurance Division Chief Cynthia Calhoun at Glenn spoke to the students and encouraged sustained performance to prepare for college. Pictured: Glenn's Chris Hartenstine, far right, performs a science demonstration.



In Memory

William E. Schoren, 87, who retired in 1982 with 24 years of NASA service, died Sept. 24, 2010. Schoren held a Professional Engineering license and worked in Facilities Engineering as a mechanical engineer. He was involved in numerous facility projects throughout his career at both Lewis Field and Plum Brook Station. These included projects involving cryogenics and pressure systems and also included serving as the Lead Project Engineer for the construction of the Spacecraft Propulsion Research Facility (B-2) at Plum Brook.

Elmer H. Davison, 86, who retired in 1980 with 33 years of NACA/NASA service, died on Nov. 5, 2010. Davison is recalled as a born tinkerer, whose innovation and pioneering spirit aided several important advancements over four phases of his notable NASA career as an aeronautics engineer. He conducted turbine research on turbojet and turboprop engines; developed nuclear power sources for spaceflight; and developed meteorite-shielding devices for early satellites. Davison also served in management positions with the Agena Rocket Program and the Space Technology Program, where he oversaw solar cell and traveling wave tube research.

William B. Schwab, 93, who retired in 1977 with 35 years of NASA service, died on Nov. 18, 2010. Schwab was a mechanic who began his NASA career as a member of the 1942 inaugural class of the NACA Lewis' Apprentice School and went on to primarily support

wind tunnel research. Schwab retired from the Materials and Stress Section of the Test Installations Division where his efforts were recalled by a previous division chief Bill Harrison in a 2005 interview, as "the greatest inventor you'll ever see." Schwab frequently participated



Schwab

Deadlines

News items and brief announcements for publication in the February issue is noon, Jan. 21. Larger articles require at least one month notice.

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<http://aerospacefrontiers.grc.nasa.gov>

Herme
Award
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in model airplane competitions and enjoyed sharing his collection with friends and neighbors. His daughter, Nancy Shumaker, is employed in Glenn's Procurement Division.

Roy W. Rachul, 89, who retired in 1983 with 24 years of federal service, died



Rachul

Dec. 11. Rachul spent his entire 21-year NASA career working in the Sheet Metal Section of the Fabrication Division. He also was a World War II veteran who served 3 years in the U.S. Army Air Corps. His daughter, Lori Rachul, serves as news chief in Glenn's Community and Media Relations Office.



Calendar

SAFE DRIVING AWARENESS: Mark your calendar for Feb. 1-3, from 11 a.m. to 1 p.m., when NASA Glenn will hold a Safe Driving Awareness event for all employees at Lewis Field and Plum Brook Station. See *Today@Glenn* for more details.

AFGE MEETING: AFGE LOCAL 2182 will hold its next membership meeting on Wednesday, Feb. 2 at 5 p.m. at Denny's Restaurant, 25912 Lorain Road, North Olmsted.

IFPTE LOCAL 28, LESA MEETING: LESA will hold its next membership meeting on Wednesday, Feb. 9 at noon in the Small Dining Room of the Employee Center.



Retirements

Sue Butts, Logistics and Technical Information Division, Center Operations Directorate, retired on Dec. 31, 2010, with 34 years of NASA service.

Jeffrey Macbeth, Manufacturing Engineering and Process Branch, Engineering Directorate, retired on Dec. 31, 2010, with 31 years of NASA service.

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AeroSpace Frontiers is an official publication of Glenn Research Center, National Aeronautics and Space Administration. It is published the second Friday of each month by the Community and Media Relations Office in the interest of the Glenn workforce, retirees, government officials, business leaders and the general public. View us online at <http://aerospacefrontiers.grc.nasa.gov>. Submit contributions via e-mail to the editor: doreen.b.zudell@nasa.gov or 216-433-5317.

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VOLUME 13 ISSUE 1 JANUARY 2011

Document Availability Authorization Goes Online

Show the Benefits of Your STI Work

Approving, disseminating, and archiving your Scientific and Technical Information (STI) is now easier and statistics are more accessible through the new electronic Document Availability Authorization (eDAA) process.

To comply with an agencywide mandate, Glenn's STI Program is currently rolling out, one organization at a time, a new electronic process for completing and submitting NASA Form 1676. The eDAA process will ensure properly completed forms, faster routing of material for processing, real-time tracking of approvals, and provide an accessible database of information about an organization's STI submissions.

Established in 1915, the STI Program helps advance and avoid duplication of aeronautics and space science research by archiving information to ensure that the United States maintains its preeminence in aerospace-related industries and education. STI is defined as the results (the analyses of data and facts and resulting conclusions) of basic and applied scientific, technical, and related engineering research and development.

Benefits of the STI Program include:

- Documents made available at desktop at no charge to NASA employees and NASA contractors through the NASA Aeronautics and Space Database (NA&SD).
 - Documents made available on paper, multimedia and electronic media to non-NASA requesters through the NASA Technical Reports Server (NTRS).
 - Helps NASA avoid duplication of research by sharing information.
 - Guards against release of unclassified, restricted information to unauthorized requesters.
 - Ensures NASA reports are sent to National Technical Information Service, Government Printing Office depository libraries and National Archives and Records Administration as required by law.
- "Publishing and archiving NASA research through the free NASA STI Program protects NASA employees and their research personally and professionally," explained Sue Butts, Glenn's STI manager. "Most importantly, registering

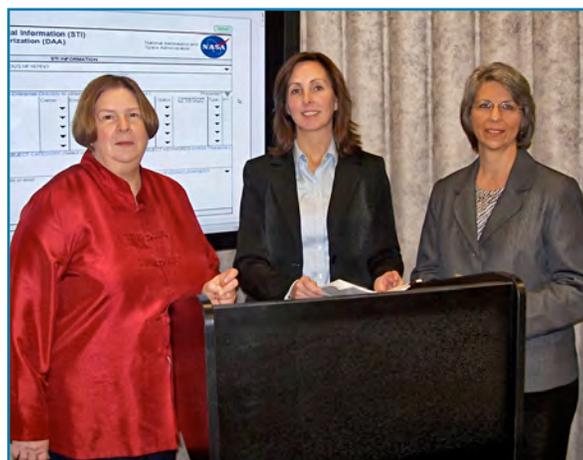


Photo by Doreen B. Zudell

Butts, Henrich and Glenn's DAA Representative Mary Eitel-Kim, WYLE/Publishing Services, at the first STI online training session.

research through STI is NASA policy. It is essential to researchers within a government environment to stay abreast of technology and to show the benefits of their work."

Butts and Natalie Henrich, Center Operations Directorate, began conducting training sessions for organizations in December to share information on the STI Program and the benefits of the electronic DAA process. For further information about the program, contact Henrich at natalie.l.henrich@nasa.gov or visit <http://www.sti.nasa.gov>.

—By Doreen B. Zudell