



AEROSPACE Frontiers

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Administrator Gathers Senior Leaders for Summit

NASA's senior executive corps gathered in Washington D.C. on Oct. 6 and 7 for the 2009 Executive Summit with Administrator Charles Bolden and Deputy Administrator Lori Garver. The 2-day meeting centered on the new Administrator's leadership philosophies as they relate to current and future issues within the agency. Table discussions encouraged opportunities for participants to ask questions and provide input.

Center Director Dr. Woodrow Whitlow Jr. called an All Hands meeting at Glenn on Oct. 8 to share key points from the summit.

NASA Administrator Bolden is working closely with the President and his administration on agency priorities.

"Charlie is a participatory leader, who takes time to deliberate, get input from all sides, and then make a decision. At that point, its time for the agency to get onboard with the decision and move forward," Whitlow related.

During the summit, Bolden stressed the importance of leadership within the agency, stating that a strong leader has three characteristics: mentoring at all levels, looking out for the well being of his/her people and getting

Right: Dr. Whitlow shared highlights of the summit with Glenn employees the following day.

people involved in community outreach. Bolden's mentor from the U.S. Marine Corps, General Anthony Zinni, shared his views on leadership as well. Some of these characteristics include high integrity and moral code and the ability to think strategically and lead through crisis and change.

Both Bolden and Garver encouraged agency leaders to continue to develop their skills through all stages of their careers. Bolden emphasized the importance of life-long education and mentoring of young people with a quote from President Obama: "The country that out-educates us today, will out-compete us tomorrow."

NASA's Office of Science and Technology Policy reiterated the President's strong interest in STEM (Science, Technology, Engineering and Math) education development, use of partnerships, innovation and technology development.

Whitlow noted that the President's interest in NASA and its future is evident through the White House's involvement



C-2009-3622

Photo by Bridget Caswell

under the Obama Administration. "Our Administrator [Bolden] is working closely with the President and his administration on agency priorities, how they affect centers and how Glenn aligns with these priorities," he said.

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Summit Offers Interchange of Ideas

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Massachusetts Institute of Technology Professor and Augustine Panel member Dr. Edward Crawley described how the Augustine committee thought through the development options that are contained in the final report. The President and the Office of Management and Budget will decide which options and direction will be adopted for NASA.

Until a decision is made as to that future direction—a new plan—the agency will continue executing the current plan. The NASA Core Values of Safety, Integrity, Teamwork and Excellence have not changed. Whitlow said Bolden was clear that the number one priority of the agency is to safely fly out the shuttle manifests.

"During this transitional time within the agency, the workforce needs to make sure we stay focused on the task at hand," Whitlow said. "Don't get distracted by

looking forward or looking past the current task."

There were a few changes from Headquarters discussed at the summit:

- Integration of the Office of Legislative and Intergovernmental Affairs and the Public Affairs Office into the Strategic Communications Office to further support the strong focus on community outreach.
- Formation of a new group led by Garver. The Institutional Realignment and Recovery Project comprises center directors and mission directorates to streamline, modernize and align agency assets with mission needs. The group will meet for the next 4 years to address infrastructure needs.
- Reduction in membership, from 30 to 12, of the NASA Advisory Council to facilitate greater conversation and discussion.

Glenn Earns Two "Green" Fleet Awards

NASA Glenn has earned two awards for reducing emissions and fuel use in its government vehicles and encouraging clean energy alternatives.

In August, Glenn received the 2009 Ohio Green Fleets Award and achieved three-star certification. This recognition represents a considerable investment of time and resources in greening a fleet. Ohio Green Fleets, a program of Clean Fuels Ohio, honors the achievements of business and government who have taken steps toward improving a fleet's overall efficiency and emissions profile.

In October, the 100 Best Fleets program, which recognizes peak performing fleet operations in North America, rated Glenn 16 in the top 40 government fleet performers. The award also acknowledges Glenn's other energy initiatives such as offering free bus passes for civil servants commuting to and from work via RTA and advocating bicycle purchases to run errands at the center.

"Our goal is to continue to reduce petroleum consumption and maintain an awareness of new opportunities and practices that we can employ to improve our operation," said Transportation Officer Susan Kraus, Logistics and Technical Information Division (LTID). "Our efforts extend beyond vehicle fleet operation to include educating customers, engaging in outreach activities and participating in public forums."

Flu Facts at Your Fingertips

Worried about keeping you and your family healthy this flu season? Glenn's Pandemic Influenza Preparedness Web site, <http://smad-ext.grc.nasa.gov/shed/pandemic.shtml> (or type "pandemic" into the Glenn Transporter) can help. The Web site is packed with information on seasonal flu as well as H1N1 flu and includes valuable links to sites, such as Flu.gov and cdc.gov (Centers for Disease Control and Prevention) to help you distinguish seasonal flu from pandemic flu. You'll learn about the different flu viruses in circulation, their risks and how you can protect yourself and the people you care for from the flu. Glenn's Pandemic Awareness Team is working to bring you the most accurate and up-to-date information possible so you have the tools to make healthy decisions. For questions, contact Glenn's Medical services, 3-5841.



C-2009-2823 Photo by Michelle Murphy

Left to right: LTID's Susan Kraus, Antoine Moss and Chibef Mary Lester accepted the Ohio Green Fleets Award during a ceremony at the Ohio Department of Transportation Headquarters in Columbus, Ohio.

Seventy-seven percent of Glenn's 125 fleet vehicles use alternative fuels. Glenn's alternative fuel infrastructure includes compressed natural gas, bio-diesel and E-85; motor fuel blends of 85 percent ethanol and just 15 percent gasoline.

NASA Phone Operator Answers Hundreds of Calls Daily



"Good morning, NASA Glenn operator."

Who is that woman answering calls from NASA Glenn employees and the public every day? It's Cyndi Beverly, the voice behind the NASA Glenn telephone operating system—and she answers about 300 to 500 phone calls each day.

Beverly is the main operator in the Telecommunications Office, where she handles fellow ODIN contractor employees, Sondra Atkins, Lori Drum and Yolanda Suffard, to deliver quality service at the center. While Beverly manages more than 3,100 different phone lines, the other team members juggle responsibilities relating to the center's cell phones, pagers and fax machines.

In addition to employee calls, Beverly deals with a variety of public inquiries daily. "You'd be surprised how many solicitation calls, prank calls and wrong numbers we receive," Beverly explained. "We also get calls about UFO sightings or people who want to give NASA advice on how to run its programs."

Before coming to NASA, Beverly worked as a preschool administrator, where she developed the patience and communication skills that help her address callers with courtesy and professionalism.

"It takes a certain kind of personality to be 'the operator,'" said coworker Atkins. "Beverly is the one for the job. The rest of us fill in when we *have* to."

While Beverly handles the phone lines, the rest of the staff is busy addressing other tasks in this office. They are responsible for everything relating to NASA cell phones and pagers, including ordering, distributing, troubleshooting and billing issues. In addition, they manage international and domestic faxing and updating and distributing phone directories.

It's a busy, dynamic office, but the staff maintains a strong sense of teamwork and customer service through their dedication to NASA's mission and their respect for one another.

"We feel very fortunate to have four women working so harmoniously in the same office," Atkins said. "We get along very well and we look out for each other."

Through the years employees have left notes, bakery and candy to show their gratitude for the work this office does,

and every once in a while, someone stops by asking to see the face behind the operator.

"Curiosity always gets them," Beverly said.

—BY EMILY KENNARD
LERCIP INTERN



Photo by Doreen B. Zudell

Left to right: Glenn's phone operator, Cyndi Beverly, with Sondra Atkins, Lori Drum and Yolanda Suffard, welcome visitors at their office in the Research Analysis Building.

SATERN Upgrade in December



This December, NASA will be upgrading the SATERN Learning Management System software to improve functionality and security. The upgraded system will have a new login process using NASA's Access Launchpad. This login change is a step toward a single Agency User ID and password to enter all NASA IT systems and applications.

When you log in to SATERN after the upgrade in December, you will see a new Access Launchpad login screen. Instead of your current SATERN user ID and password, you will need to use your NASA "user profile," which includes your Agency User ID (AUID) and profile password. Prior to the release of the SATERN upgrade, all users will need to create a NASA user profile using Launchpad. In preparation for the SATERN Upgrade, please take this opportunity to create or verify your existing NASA user profile by visiting <https://launchpad.nasa.gov>.

The Agency Access Launchpad Web site provides more information on your NASA user profile and includes resources with step-by-step instructions on this new login procedure: <http://insidenasa.nasa.gov/ocio/infrastructure/launchpad.html>.

Also, please note that SATERN will be unavailable from 5 p.m. on Nov. 20 through Dec. 6, and the new system will go live on Dec. 7. The Glenn deadline to submit all NF-1735 external training requests for manual processing prior to system shutdown is Nov. 13.

Users will be able to access a new Web-based tutorial, job aids and additional resources on the SATERN Information Web site at <https://saterninfo.nasa.gov>.

Mining for Ice

Glenn partnered with the Cleveland Museum of Natural History on Oct. 9 to view NASA's Lunar Crater Observation and Sensing Satellite (LCROSS) impact on the moon's South Pole. At the museum, Glenn's Craig Williams, pictured, discussed the mission using exhibits about the Centaur rocket (originally developed at Glenn) that impacted 4 minutes before the satellite.

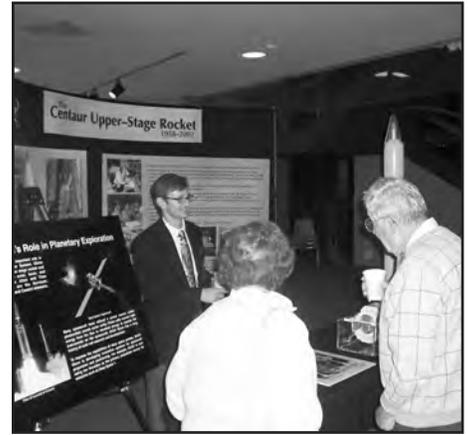


Photo by David DeFelice



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Photo by Bridget Caswell

POW-MIA Observance

Plum Brook Station Director David Stringer, pictured, shared comments from former POWs (Prisoners of War), including excerpts from USAF Col. (Ret.) Leo Thorsness' book "Surviving Hell: A POW's Journey," during the POW-MIA (Missing in Action) Ceremony on Sept. 10. Glenn's Veteran's Awareness Committee sponsored the event.

Wright Brothers' Legacy

Amanda Wright Lane, great grandniece of the Wright brothers and trustee of the Wright Family Foundation in Dayton, visited the center on Sept. 25. She toured facilities that highlighted Glenn's work in aviation safety, next generation aeronautics and NASA's Constellation-related efforts.



C-2009-3563

Photo by Marvin Smith

Employees Race for Cure

A NASA team, organized by Amy Stalker of Glenn's Developing Professionals Club, has raised nearly \$2,900 to fight breast cancer. In addition to participating in the Susan G. Komen Race for the Cure on Sept. 12, the group designed and sold "Team NASA" T-shirts, which took second place in the 2009 Team T-shirt Contest! Pictured, far left, are a few of the team members and the back of the T-shirt.



Photos by S. Jenise Veris



Recycling Extravaganza

Employees learned about the latest recycled-content products and sustainable practices from more than 30 vendors during Glenn's America Recycles Day on Sept. 17. Glenn's Safety, Health and Environmental Division hosted the event.



Photo by S. Jenise Veris

Employees Gather for Job Well Done



C-2009-3728

Photo by Michelle Murphy

The Space Flight Systems Directorate gathered to celebrate employee's contributions and have some fun together during their awards picnic on Sept. 17. The event included a raffle that raised \$215 for the Combined Federal Campaign.

News and Events

Hispanic Heritage Observance

Acaba Inspiring Excellence

Educator-Astronaut Joseph Acaba believes inspiration plays an important role in motivating and nurturing the next generation of explorers. Acaba's dedication to being a good role model compelled him to support several activities cosponsored by Glenn's Educational Programs Office, the Hispanic Advisory Group and Office of Equal Opportunities Programs on Oct. 8 in celebration of Hispanic Heritage Month.

Acaba, a former middle school math and science teacher and Peace Corps veteran, spent the day sharing experiences of his first space flight, as a member of Discovery/STS-119 mission crew, with Glenn employees and hundreds of local students. He also accommodated autograph signings, where possible.

An early morning visit to Luis Munoz Marin Middle School, a 2005 NASA Explorer School, included classroom visits, a school assembly and breakfast with nine honor students. Midday, he

Right: Acaba shared breakfast with Munoz Honor students while, standing, left, Munoz' Principal Jamie Lindsey got acquainted with Center Deputy Director Ray Lugo, who accompanied Acaba throughout the day.

Below: Marisal Lebron-Colon, HAC chair, standing, assisted Acaba during the Glenn employee briefing.



C-2009-3911



C-2009-3912

Photos by Michelle Murphy

spoke to a capacity crowd of Glenn employees during the center's annual Hispanic Awareness Event, while enjoying the festive entertainment and center hospitality. Later that day, he talked with charter school students from the Metropolitan Cleveland Consortium for STEM (MC²STEM) High School in the DEBAuditorium. The MC²STEM students also took guided tours of selected Glenn facilities during their visit.

Boo At the Zoo



Photo by Jean Rogers

NASA Glenn's space ambassador, Eva the inflatable astronaut, met space nemesis Darth Vader and his friend during the Cleveland Metropark's Boo at the Zoo last month. Nearly 4,000 people attended the event.

Check Out Glenn's Web Site Features

Glenn's public Web site offers a variety of features and images that highlight the center's work in support of NASA's mission—past, present and future. Some of the latest features include:

NASA's Ares 1-X

The first flight test of NASA's new rocket configuration to carry astronauts into space.

Lessons of a Widowmaker (and Other Aircraft)

This interactive exploration—which includes games—introduces some of the historically significant airplanes that have called NASA Glenn home.

Trivia

How many astronauts have thrown out the first pitch at an Indians game at Progressive Field? Take the quiz.



Photographer: Helmut Bamberger (Jacobs Technology, Inc)

FEATURED IMAGE: It's not a new home brewing system, the world's largest holiday ornament or even an ambitious Death Star model. This spherical propellant tank is an important component of testing for the Altair lunar lander, an integral part of NASA's Constellation Program. This 4-foot diameter propellant tank lives at Glenn's Small Multipurpose Research Facility (SMRF).

Visit: <http://www.nasa.gov/centers/glenn/home/index.html>

Wall Street Journal Award Winners

Dr. Rainee Simons, Electron and Opto-Electronic Devices Branch, and Dr. Félix Miranda, Antenna and Optical Systems Branch, received an award in the Wireless Category at the Wall Street Journal's (WSJ's) 2009 Technology Innovation Award ceremony held on Oct. 13, in conjunction with the Dow Jones VentureWire Technology Showcase. The award recognizes their invention, "Miniature Implantable Radio Frequency System for Real Time Telemetry from Microelectromechanical Systems Based Sensors and Actuators," with potential application for spacesuit bridge maintenance. For more information on all the award winners, visit <http://www.dowjones.com/innovation/>.



Pictured, left to right, Dr. Simons, John Leger, WSJ news editor, and Dr. Miranda.

Telemetry from Microelectromechanical Systems Based Sensors and Actuators," with potential application for spacesuit bridge maintenance. For more information on all the award winners, visit <http://www.dowjones.com/innovation/>.

served as the project manager of the Aircraft Aging and Durability Project in the Aviation Safety Program.

Kenneth Fisher has been selected Propulsion and Cryogenic Advanced Development/Cryogenic Fluid Management (PCAD/CFM) Integration Manager in the Advanced Capabilities Project Office. Fisher has served as aeropropulsion lead on simulations for assessing the benefits of new technologies on advanced aerospace vehicles, and more recently, as lead on the Integrated Resilient Aircraft Controls Project under the NASA Aviation Safety Program.



Fisher

Dr. Andrew Gyekenyesi, OAI/Optical Instrumentation and NDE Branch, received the American Ceramic Society's (ACerS) Richard M. Fulrath Award at the society's Annual Meeting/ Materials Science & Technology 2009 Conference & Exhibition, Oct. 25-30. Gyekenyesi was one of five honorees selected for the ACerS international award, which recognizes individual excellence and promotes technical collaboration and friendships between Japanese and American ceramic engineers/scientists for greater understanding among the diverse cultures.



Dr. Gyekenyesi

mentation Office. He has been acting in the position since June. Del Rosario previously served as chief of the Facility Management and Planning Office, Facilities and Test Directorate.



Dr. Del Rosario

Gregory Follen was selected Subsonic Fixed Wing Project Manager. Follen previously



Follen

Dean Kocan was selected Wind Tunnel Electrical Lead Engineer for the Aero Power and Propulsion Test Engineering Branch. Kocan has spent most of his 22-year career in Glenn's Testing Division, where he has provided technical expertise, leadership and mentorship to new engineers.



Kocan



Roth

Donald Roth, Optical Instrumentation and Nondestructive Evaluation (NDE) Branch, received a NASA Engineering Safety Center (NEC) Engineering Excellence Award for his contributions to the NEC Computational NDE assessment. The award was presented at the Oct. 27 NEC meeting in Orlando, Fla.

Dr. Rubén Del Rosario has been selected principal investigator (PI) of the Fundamental Aeronautics Program's Subsonic Fixed Wing Project reporting to Glenn's Aeronautics Projects Imple-



**APPLAUSE!
Making a Difference**

This new column recognizes a person or team that is making a big difference for our center and our community.

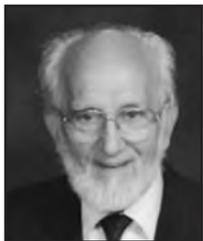
Keeping the lights burning is a never-ending job at Glenn, but Mike Sasala and Gary Westerhold, CHI/Facilities Division, are up to the challenge. They have been tasked with replacing all the bad lamps and ballasts throughout the Lewis Field complex, both indoors and out. The duo has received numerous accolades from building residents with their fast courteous response to trouble calls. Thanks to their efforts, our environment is a lot brighter!



Westerhold, left, and Sasala on the job.

Know someone who's making a difference inside or out of Glenn? Send his/her name and their contribution to Doreen.B.Zudell@nasa.gov.

In Memory



Andrews

Larry J. Andrews, 79, who retired in 1987 with 36 years of NASA service, died Oct. 11. Andrews began his NASA career in the Apprentice

Program as a mechanical engineering technician. He worked in the engineering design area, where he supported a wide variety of facilities, programs and experiments. Andrews was also active in various center activities, including a multi-gallon blood donor, president of the Karate Club, and member of the Lewis 45th Anniversary Committee.

Theodore "Ted" F. Gerus, 76, who retired in 1982 with 24 years of NASA service, plus 2 years in the US Army, died September 2. Gerus was an aerospace engineer who began his NASA career in the Nuclear Engineering Dynamics and Controls Section. The majority of service, however, was spent in the Dynamics Analysis Group at Lewis Field, where he led bending mode testing for structural integrity of the Centaur launch vehicle. Gerus was a member of the Lewis and General Dynamics team that laid the foundation for an innovative pitch and yaw program, later applied to ADDJUST (Automatic Determination and Dissemination of Just-Updated Steering Terms), an automated computer and communication system for steering Centaur launch vehicles in measured winds to avoid launch day flight wind delays. ADDJUST still plays a critical

role in launch day operations today. Gerus continued to support NASA as a consultant through Analex until 1993.

Nancy J. Pajak, 69, who retired in 1994 with 33 years of federal service, died Sept. 26. During her 24-year NASA career, Pajak served as an accounting technician in the Financial Management Division supporting the Accounting and Payroll offices.



Pajak

Ralph D. Rhodes, 77, who retired in 1989 with 35 years of federal service, died Sept. 27. Rhodes began his NASA career in 1963 working in Johnson Space Center's Audit Office, before being named Inspector General for NASA Lewis (Glenn) in 1970. Prior to joining the NASA family, he served as an auditor with the U.S. General Accounting Office. Rhodes was active in the center's annual Combined Federal Campaign and the Association of Government Accountants. He also served as an Army medic from 1953 to 1955 in the 7th Infantry Division in Korea.

Jack P. Shinn, 80, who retired in 1988 with 30 years of federal service, including 18 years at NASA and military service (US Army), died August 10. At his



Shinn

retirement, Shinn was the assistant chief of the Space Systems Branch in Procurement where he earned several awards working on the Atlas-Centaur and Titan-Centaur teams. He was a member of the Shinn family serving NASA that included his older brother, Arthur Jr., and nephew Arthur, III, both deceased. Shinn's daughter, Clarise, continues the legacy as a contracting engineer with Zin Technologies, Inc.

Calendar

NATIVE AMERICAN HERITAGE OBSERVANCE: Glenn's 2009 National American Indian Heritage month event will be held Thursday, Nov. 19 at 1:30 p.m. in the Administration Building Auditorium. Keynote speaker is Don Coyhis of the White Bison, Inc., with a performance by flutist Billy Crowbeak. This year's program honors the 40th anniversary of the Apollo program and its relation to American Indian cultural traditions throughout the Nation. Light refreshments will be served.

NASA RETIRED WOMEN'S LUNCH: The next luncheon will be at Moosehead Hook and Ladder Restaurant, 7987 Columbia Road (north of the tracks) in Olmsted Falls on Thursday, Nov. 19 at noon. Reservations are a must—contact Gerry Ziemba 330-273-4850.

AFGE MEETING: AFGE LOCAL 2182 will hold its next membership meeting on Wednesday, Dec. 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, Dec. 9 at noon in the Small Dining Room of the Employee Center.

NASA PM CHALLENGE 2010: Registration is open for the PM Challenge, which focuses on training, lessons learned, knowledge sharing and new ideas in the areas of program/project management, systems engineering, risk management and related disciplines. Join NASA colleagues at the agency's 7th PM Challenge to be held in Galveston, TX, on Feb. 9 and 10, 2010. Register online at <http://pmchallenge.gsfc.nasa.gov/registration2010.htm>. For event details, go to <http://pmchallenge.gsfc.nasa.gov>

DEADLINES

News items and brief announcements for publication in the December issue is noon, Nov. 20. Larger articles require at least 1 month notice.

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



Hermes Award



Happy Thanksgiving

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PBS Retirees Reunite

Nearly 125 retirees accompanied by a spouse or guest, enjoyed good company, good food and good news of Plum Brook Station's (PBS's) current and future activities during the 5th PBS Retiree Reunion on Sept. 26.

PBS Director David Stringer and Deputy Director Dave Taylor welcomed the guests and highlighted a variety of PBS activities, including the Plum Brook Reactor Decommissioning Project and the proposed airplane runway. During his presentation, Stringer suggested that retirees stay connected as volunteer tour guides who could share their experience and knowledge of PBS facilities, while aiding a growing interest by the public. The day's festivities also included time to shop for NASA memorabilia and self-guided tours of PBS facilities.



C-2009-3822



C-2009-3811



C-2009-3823



C-2009-3845



C-2009-3853



C-2009-3837

Reunion Committee Members

William Brown (chairman) • Geneva Biglin • Earl Boitel • Tom Brink • Jack Crooks • Jim Hurst • Harry McCune • Richard Schuh • Dave and Betty Willinger • Hank Pfanner • Mike Sudsina

BY S.JENISE VERIS

C-2009-3798