



# Bolden and Garver Want NASA to Make a Difference

NASA's new Administrator Charles Bolden and Deputy Administrator Lori Garver believe NASA can make a difference.

"Every challenge is an opportunity to do something...a way to shape the world into what we want it to be," said Bolden at Glenn's All Hands meeting on August 13.

During their first official visit to the center since being sworn in as agency heads on July 12, Bolden and Garver said they were "energized" by their conversations with staff and tours of Plum Brook Station (PBS) and Lewis Field. At the All Hands meeting, they pledged their commitment to communicating to the President, Congress and the American public NASA's goals and contributions to the nation.

Bolden said he looked forward to reading the final report by the Review of United States Human Space Flight Plans Committee. Norman Augustine, former CEO of Lockheed Martin, heads the panel of 11 respected aerospace community members. The panel is examining why, where and how the United States explores space. Once the report is published, Bolden and his staff will review the report and discuss with the President options for the future direction of space exploration.

Reflecting on his experience in the U.S. Marine Corps, Bolden stressed the necessity for constant change in the way an organization does business if it is to survive. He noted that some of



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Photos by Marvin Smith

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NASA's changes would be "dramatically" different from business as usual.

In a question and answer session, Bolden and Garver addressed questions on Science, Technology, Engineering and Mathematics (STEM) education, recruitment/retention of the future workforce, technology development, outreach and union partnerships.

Bolden and Garver concluded their discussion by saying that NASA's goals "must" be in line with those of the nation. Tackling challenges the American public believes is important is key to the future of the space agency.

"People will accept challenges that make [positive] changes in their life," Garver said.

—BY DOREEN B. ZUDELL

*Highlights of Bolden and Garver's visit, pictured clockwise: Vacuum Facility 5 NEXT Ion Engine testing at Lewis Field; All Hands meeting; Spacecraft Propulsion Research Facility at PBS; and discussion with students and early career employees at the Guerin Management Center.*

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## Gordon Named Director for Center Operations

At the All Hands meeting on Aug. 13, NASA Administrator Charles Bolden and Deputy Administrator Lisa Garver announced the appointment of Robyn Gordon as Director for the Center Operations Directorate. Deputy Director for Center Operations since 2007, Gordon was also serving as acting director since Kenny Aguilar retired last January.

Prior to these positions, Gordon was chief of the Office of Diversity and the chief of the Office of Human Resources and Workforce Planning at Glenn. She has been at Glenn since 2002.

Gordon, a Certified Senior Professional in Human Resources, is a graduate of Cleveland State University. She has a Master of Business Administration and a Bachelor of Business Administration in Human Resources Management.



Photo by Marvin Smith

C-2009-2729

*Deputy Administrator Garver, right, pins the Senior Executive Service pin on Gordon during the All Hands.*

## PBS Reactor Decommissioning Update

NASA's Plum Brook Reactor Facility Decommissioning Project is entering the final stretch of what has been a massive effort to safely and effectively decommission its nuclear reactor complex.

Work has moved from surveying decontaminated surfaces inside Reactor Facility buildings, to removing and testing hundreds of tons of soil along the Pentolite Ditch, which was the permitted

pathway for discharges when the reactor was operational.

Although the reactors ceased operations in January 1973, its buildings and grounds have been kept in a safe/secure condition. Since 2002, NASA and contracting staff have worked diligently towards an official closing of the facility that required taking it apart piece by piece, decontaminating thousands of tons of concrete and steel and then surveying underlying surfaces



Photo by Susan Santos, Focus Group

*The soil assay system works to detect radiation, if any, at the PBS reactor site.*

## 2009 Combined Federal Campaign Gets Underway

NASA Glenn kicks off its 2009 Combined Federal Campaign (CFC) on Monday, Sept. 14. This year's theme, "Help Make a Difference," highlights the true goal of every CFC. Together, we can achieve this year's monetary goal of \$375,000.

The campaign, chaired this year by Gwynn Severt, will feature many of the attractions of years past. Some of these are listed below. They are all aimed toward increasing the most important feature of all: *participation*.

One major difference for the 2009 campaign will be a shift in the electronic pledging portal from WEBTADS to Employee Express. It's easy! Glenn's keyworkers will explain it all.

### Save These Dates!

Kick Off and Keyworker Training: Monday, Sept. 14

Agency Fair: Wednesday, Sept. 16

Ice Cream Social/Car Show: Wednesday, Sept. 16

Basket Raffle: Friday, Oct. 30

Help Make a Difference!



Francine McWhorter, Procurement Division, is Glenn's CFC 2009 co-chair. Tonya Merriweather, Machining Branch, is the Loaned Executive.

to ensure they meet project cleanup standards set by the federal Nuclear Regulatory Commission (NRC).

"We are entering the biggest and, logistically, the most challenging stage of the project due to the acreage," explained Keith Peecook, Decommissioning Program manager, to members of the Decommissioning Community Workgroup and media during a recent tour and briefing. "About 85 workers, down from 180 at the peak of this project, will be excavating more than 50,000 tons of topsoil and processing it through a new soil assay system—a network of conveyor belts and sensors to detect radiation."

Peecook expects most of the soil will test clean, but soil with radiation levels that measure half of the project cleanup level—likely less than 1 percent of all that is excavated—will be sent to disposal sites in Tennessee or Utah. By winter, the crew will be reduced to 45 with the completion of decontamination expected by fall 2010. The Final Status Survey—last tests for cleanup compliance—along with building demolition, will be completed in 2011.

## Lundin Advocated for Strong Role in Space Exploration

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

If Bruce Lundin, NASA Lewis Center Director from 1969 to 1977, were in charge today, he would be thrilled with the level of activity underway across the center. Lundin not only supported the creation of a national space agency, but he also advocated for NACA to take on a strong leadership role in space hardware development.

"[I] definitely thought that we [NACA] should be responsible for the building and operation of launch vehicles and spacecraft just as we had always built and operated test models in our wind tunnels," said Lundin in a 1987 interview.

With the transition of NACA to NASA in 1958, the agency refocused its efforts by integrating hardware development into NASA goals. When the division between research and development became official in 1961, Lundin was serving as Assistant Director of the center. Center Director Abe Silverstein then appointed Lundin Associate Director for Development. Lundin assumed the role of Center Director when Silverstein retired in 1969.

During the energy crisis of the 1970s, the center broadened its development capabilities, developing new energy conservation and conversion technology to address growing public concern. Lundin oversaw the building of an experimental wind turbine at Plum Brook Station. The center also developed solar-powered electric systems for remote areas such as the village of the Papago Tribe at Schuchuli, Ariz., which became the first solar-powered village. Lundin was especially proud of the creation of Lewis's Energy Programs Directorate, which he noted in his final State of the Center address in 1977.

While Lundin promoted the center's increased role in development, he also recognized the importance of maintaining the center's leadership in space research, which he believed was a matter of national survival.

"In our technological age, it will be the country that advances in science that will have the greatest impact on the emotions and imagination of men, that will command respect, and that will gradually assume world leadership," Lundin said. (*Engines and Innovation*, 1991, NASA SP4306)

Lundin felt strongly that both research and development for the new frontier of space exploration should be conducted in the public sector by a civilian agency, a point his daughter, Dianne Haskell, remembers him stressing during the early days of NASA.

While Lundin pushed for development and worked to bring in new projects for the center, he also truly cared about the employees. His wife, Jean, said it was a difficult time for Lundin when he announced to employees at Plum Brook Station that the nuclear reactor was to be closed in 1973. "He worked hard to relocate the employees in other jobs," she said.



Lundin

Lundin oversaw NASA's Cleveland center through some of its challenging years, and except for a 1-year detail to NASA Headquarters, he spent his entire 34-year career helping to shape its future within the agency. When reflecting on the significance of his influence at Glenn, Lundin once noted, "[I have] a deep sense of gratitude for it is not often someone who helps build an organization gets to direct that organization."

Lundin received many awards for his work and leadership, including NASA's highest award—the Distinguished Service Medal in 1971. Lundin died on January 24, 2006, at the age of 86.

—BY CASSIE BARNES  
LERCIP INTERN

### Cafeteria Composting Diverts Landfill Trash

Glenn's Safety, Health and Environmental Division, with assistance from the Logistics and Technical Division, began a composting program this summer as part of its P2 (Pollution Prevention) activities. With help from Acorn Food Services General Manager Shane Goodman and Acorn employees, Glenn's Cafeteria is now composting all of its fresh produce scraps. Here's how it works:



Acorn's Rhonda Pennington and Ron Barse separate organics from trash.

- Acorn employees separate the organics (fruits and vegetables) from the trash and put in compostable bags in separate trash bins.
- Scraps are stored in a freezer.
- City Fresh, a local farmer and Community-Supported Agriculture organization, picks up the bags weekly and takes them to farms to be composted and eventually added to their crops as rich soil.
- City Fresh sells the local produce and shares it with Cleveland residents who don't have access to fresh local produce.

In the first 3 weeks of the program, Glenn collected over 430 pounds of food scraps that would have ordinarily gone to landfills. Keep your eye out for more composting news on expanding the program.

# Glenn's Supervisors Club Encourages Casual Networking

Attention supervisors: Need advice or services from a Glenn supervisor in a division or branch other than your own? Glenn's Supervisors Club is where you can establish relationships with your peers in a friendly "meet and greet" atmosphere, for just that purpose.

The Supervisors Club was created in June 1960 so that supervisors at the center could get to know one another in a casual setting. The club recently expanded its membership to include managers as well. Members maintain that spending time together, in a relaxed setting, helps build camaraderie and promotes networking.

"It's easier to work with people when you know them by sight and participate in open discussions, which will avail what skills and talents they bring to an organization," explained Supervisors Club Vice President Ernie Bertone, Facilities Division.

Club gatherings (between August and May) consist of onsite dinner meetings with guest speakers from the center and outside business organizations, and steak and fish roast socials at the picnic grounds. Recently, the club also went on tours of the Justice Center in Cleveland and the General Motors plant in Parma. They hope to increase the number of tours in the coming year.

Bertone, who has worked at the center for 47 years, attests that friendships at work benefit everyone, and the Supervisors Club is a great way to get to co-workers and share ideas. "Over the years, the work environment has become more and more formal as people's lives become increasingly hectic," Bertone said. "Although most of us are extremely busy, I've found that taking a little time to build relationships at work is rewarding for us as individuals and for Glenn as a network team."

The Supervisors Club encourages Glenn supervisors and managers, currently employed and retired, to come out to the club's steak roast on September 25,

beginning at 4 p.m. It's a chance to learn more about the club and put some faces behind voices on the telephone.

Contact Ernie Bertone at 216-433-3130 for more information and look for advertisements on *Today@Glenn*.

—BY CASSIE BARNES  
LERCIP INTERN



Scott Marabito, CHI/Facilities Division, left, exchanges ideas in a casual setting with retirees Terry Grabel and Andy Szubai at a previous steak roast.

**Supervisors Club Steak Roast: Sept. 25, 4 p.m., Picnic Grounds**

## What is a Bioretention Garden?

Bioretention gardens are the shallow basins in the rear parking area of building 60, and the southwest corner of the parking area of buildings 3 and 5. They form "ponding areas" that slow water run-off into the storm sewer and, in turn, treat some of the stormwater pollutants originating from impervious surfaces such as parking lots.

These basins were engineered by the Facilities Division, with the consultation of the Safety, Health and Environmental Division (SHED), to: intercept and capture pollutants from vehicles and atmospheric deposition; encourage water uptake by surrounding native vegetation; and provide limited detention of storm water for water temperature control. Storm water, which accumulates in the basin, percolates through this organic filtration system within 24 to 48 hours to eliminate concerns of standing water and mosquitoes. The filtered water then flows through an underdrain to the storm sewer and discharges into nearby waterways such as Abram Creek and Rocky River. This technique has been proven to greatly minimize pollutants, erosion and flooding of our local waterways.

When choosing plants for the gardens, great care is taken in selecting native plants that can tolerate both dry soil and flooded conditions. Native plants are compatible with the local environment, can enhance the overall aesthetic appeal of the area and require minimal to no herbicide use. Maintenance is minimal and the benefits last for many years.

"This type of stormwater management, as well as permeable pavers, green roofs and cisterns, are all ways the center in meeting the requirements of the Clean Water Act and our moral obligation to protect Abram Creek and Rocky River," explained Aaron Walker, SHED. "In addition, these bioretention gardens provide the center with potential Leadership in Energy and Environmental Design (LEED) points, which helps contribute to our certification as initiators in 'green' building techniques."



—BY Brittney Studmire  
LERCIP INTERN

Left: Bioretention garden near buildings 3 and 5.

# News and Events

## Events Promote Walking For Wellness

Employees laced up their walking shoes to enjoy two motivational activities sponsored by Singleton Health Services this summer. Nearly 700 employees—about 200 more than last year—participated in the Annual Walk and Health and Safety Fair in May. The event included a 1.4-mile walk around the Taylor/Walcott Road Loop and a fair that featured local vendors of health and safety-related products and services. In June, Medical Director Dr. John Kocka presented the annual Golden Shoe Awards to the office and directorate with the highest participation. Last month, employees participated in a Walk to Wellness event, which included a 1-mile walk around Glenn's track and a Farmer's Market featuring Ohio-grown produce. Walk to Wellness is part of the Mayo Clinic Embody Health Program. For more information, visit [www.nasahealthieryou.com](http://www.nasahealthieryou.com).



Photo by Doreen B. Zudell

*Trader Joe's was one of several local vendors/growers who participated in the Farmer's Market.*

## 2009 Golden Shoe Recipients



Photo by Marvin Smith

C-2009-1550

**DIRECTORATE CHALLENGE WINNERS:** *Safety and Mission Assurance Directorate with 81 percent participation. Left to right, Associate Director Bill Wessel, Medical Services Office Manager Katie Blume, Medical Director Dr. John Kocka and Director of Safety and Mission Assurance Tom Hartline.*

## Panel Discussion on Alternative Energy



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Photo by Bridget Caswell

*Lugo escorted the Committee to Glenn's Fuel Cell Facility.*

It was a green thumbs up for the Ohio House of Representatives Alternative Energy Committee's field hearing held at the Ohio Aerospace Institute (OAI) on July 31. The hearing was the first of five regional hearings planned to learn more about the types and breadth of alternative energy research, capabilities and facilities in Ohio. NASA Glenn's Deputy Center Director Ray Lugo provided testimony along with five witnesses from the Northeast region

representing universities, large and small companies, OAI and NorTech. Following the hearing, committee members and witnesses answered questions, perused 19 alternative energy-related exhibits and toured Glenn facilities. OAI, Glenn, NorTech and the Greater Cleveland Partnership assisted the Committee in organizing the hearing.



Photo by Marvin Smith

C-2009-1549

**OFFICE CHALLENGE WINNERS:** *Office of Chief Counsel and Office of Strategic Management tied with 100 percent participation. Left to right: Associate Director Wessel, Office of Chief Counsel Bill Sikora, Office of Strategic Management Chief Randy Furnas, Blume and Dr. Kocka.*



Photo by Skip Bender

*P<sup>3</sup> Committee President Carla Matthews, left, and Vice President Cindy Freeb, right, presented the gift card to Queen, center, for the "Vehicle Crowd Pleaser."*

## PBS Employees Cruise-in to Work

Plum Brook Station (PBS) held its first Bike and Car Cruise-In on July 8. PBS employees cruised-in to work with their bike or classic car and displayed it at the Engineering Building parking lot for all to enjoy. The event, sponsored by the Plum Brook Party Planners (P<sup>3</sup>) Committee, also featured a picnic and nonperishable food drive. Hallie Queen, Knight Protective Services, received the \$25 gas card for the "vehicle crowd pleaser" with her 1956 Thunderbird. The next scheduled event is the PBS picnic, which includes corn hole, horse shoes, hay rides and site tours, along with lots of good food! More details and a picnic date will be sent out via email to all PBS personnel in the near future.

## People



**Kim deGroh**, a materials research engineer, in Glenn's Space Environment & Experiments Branch, was one of 13 distinguished Ohio women inducted into the Ohio Women's Hall of Fame during a ceremony at the Ohio Statehouse Atrium in Columbus in August. deGroh was selected for this prestigious honor in recognition of her accomplishments in science and engineering, leadership and commitment to mentoring students.

*deGroh, right, with her branch chief Dr. Quang-Viet Nguyen, at the event.*

The 2009 Federal Laboratory Consortium's (FLC) Midwest Region Excellence in Technology Transfer Award recognizing federal laboratory/industry partnerships that successfully transfer federally-developed technology was presented to the "Metallic Foam to Reduce Turbofan Engine Noise" team. Glenn team members **Dr. Daniel Sutliff** and **Dr. Cheryl Bowman**, Research and Technology Directorate, with **Michael Jones**, NASA Langley and **Tom Hartley**, Williams International, received the prestigious award that was presented at the FLC Midwest Regional Meeting in August. They developed a method for applying a noise-reducing material that absorbs sound from aircraft engine fans, which may also be applied to ground power systems and ventilating fans.



*Dr. Sutliff accepted the award presented by Kristen Schario, Midwest Region coordinator.*

**Matthew Melis** and **Dr. Kelly Carney** of NASA Glenn's Structures and Materials Division received the 2009 NASA Langley H.J.E. Reid Award for the paper entitled, "Dynamic Impact Tolerance of Space Shuttle Orbiter Wing Leading Edge Panels." The award, named for the first Langley Center Director, recognizes Langley's outstanding publication of the year. Langley Center Director **Lesa Roe** presented the award to Melis and Carney with six Langley co-authors at Langley's NASA Honor Awards ceremony in June.



*Dr. Carney*



*Melis*

The Cleveland Chapter of the National Technical Association (NTA) presented the Nsoroma Lifetime Achievement Award to Glenn Senior Technologist **Dr. Isaiah Blankson** at the annual NTA Awards Dinner held at OAI in June. The event is held annually to honor women and men of color in science, technology and education.



*Dr. Blankson*

**Natalie Goldin**, Systems Engineering Branch, is one of 15 systems engineers across the agency that graduated in the first class of NASA's Systems Engineering Leadership Development Program (SELDP) in June. Participants pursued a 1-year assignment (at an alternate field center) designed to expand their experience base and challenge them to incorporate new knowledge and skills in an unfamiliar organizational setting. Goldin served as deputy to the Spacecraft Lead Systems Engineer on the Polar Operational Environmental Satellites (POES) project at NASA Goddard Space Flight Center. SELDP was established to help identify and accelerate development of high-potential system engineers, with a focus on specific leadership behaviors and technical capabilities that are critical to NASA. The program is managed through the NASA Academy of Program/Project and Engineering Leadership.



*Left to right: Marton Forkosh, NASA Space Mission Excellence Program; Chris Scolese, previous acting NASA Administrator; Goldin; Olga Gonzalez-Sanabria, director of Engineering; and Michael Ryschkewitsch, NASA chief engineer.*

## Retirements



*Bartlett*



*Hassel*



*Moorehead*



*Thomas*

**Wayne Bartlett**, Project Management Branch, retired on September 3, 2009, with 37 years of NASA service.

**Richard Groh**, Space Power & Propulsion, Communication and Instrumentation Branch, retired on September 3, 2009, with 35 years of federal service, including 31 with NASA.

**Bonnie Hassel**, Facilities Division, retired on September 3, 2009, with 35 years of NASA service.

**Delores Moorehead**, NASA Safety Center, retired on July 3, 2009, with 24 years of NASA service.

**Robert Thomas**, Business Management Office, retired on September 3, 2009, with 39 years of federal service, including 35 with NASA.



*Delgado-Holton*

Annie Delgado-Holton has been selected program specialist in the Safety and Mission Assurance Directorate. Delgado-Holton previously served as project control specialist in the Space Flight Systems Directorate's Project Planning and Control Office supporting the Exploration Technology Development Program.

### Publication Award

*AeroSpace Frontiers* team members Kelly DiFrancesco, Doreen Zudell and S. Jenise Veris earned two awards for the NASA 50th Anniversary Commemorative issue. In April, they received the prestigious "Gold" 2009 Hermes Creative Award in the "Publications/Newsletter" category. Hermes Creative Awards is an international competition for creative professionals involved in the concept, writing and design of traditional and emerging media. In June, the team received an Award for Publication Excellence (APEX) for the eighth year in a row. APEX awards are based on excellence in graphic design, editorial content and the ability to achieve overall communications excellence in print and electronic media.



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DEADLINES: News items and brief announcements for publication in the October issue is noon, September 18. Larger articles require at least 1 month notice. Submit contributions to the editor via e-mail, doreen.b.zudell@nasa.gov, fax 216-433-8143, phone 216-433-5317 or 216-433-2888, or MS 3-11. Ideas for news stories are welcome but will be published as space allows. View us online at <http://aerospacefrontiers.grc.nasa.gov>.



## In Memory



*Hollmeyer*

Ethel Patricia "Pat" Hollmeyer, 89, who retired in 1968 with 31 years of federal service, including 24 with NASA, died May 4. Hollmeyer was a mathematician who worked in the Lewis Information Management System (LIMS) Project Office, Computer Services Division. She was known for her warm and generous nature.

Wesley R. Jender, 72, who retired in 1992 with 37 years of NASA service, died April 10. Jender was a 1961 graduate of the Apprentice Program who became a mechanical engineering technician. He served in Engineering Design Support his entire career. Friends recall him as an active member of NASA's bowling league.



*Jender*

Richard E. "Orze" Orzechowski, 73, who retired in 1995 with 33 years of NASA service, died June 20. Orzechowski was an aerospace engineer and member of the



*Orzechowski*

Launch Vehicles Management Team for the Space Transportation Project Office. He was renowned for his expertise in the telemetry support critical to launch operations. Orzechowski oversaw mission designs for the Atlas-Centaur and Titan-Centaur booster vehicles that launched a variety of communications, weather, planetary exploration and scientific payloads, most notably the Surveyor, Pioneer, Viking and Voyager missions that studied the moon, Mars and outer planets.

George Vasu, 90, who retired in 1965 with 32 years of federal service, including 27 with NASA, died June 10. Vasu began his NACA/NASA career in 1948 after serving in WWII and completing a degree at Case School of Technology. He worked in the Controls Branch of the Engine Research Division, where he researched engine design for turbojets, ramjets and several rocket systems that were later applied to manned space flight. Vasu wrote numerous papers, taught non-credit graduate courses in fundamental principles of engine control and held several patents in aeronautical research. His patents were applied in the design of the F-111 "Aardvark," a multipurpose tactical aircraft, developed for the U.S. Air Force.



*Vasu*

## Calendar

**PBS FIFTH REUNION:** A Plum Brook Station (PBS) Fifth Reunion will be held on Saturday, Sept. 26, at the Engineering Building Cafeteria. A luncheon and program on PBS activities are planned. Contact Bill Brown at [huronbill@bex.net](mailto:huronbill@bex.net).

**AFGE MEETING:** AFGE Local 2182 will hold its next membership meeting on Wednesday, Oct. 7 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, Oct. 14 at noon in the Small Dining Room of the Employee Center.

## In Appreciation

Our family sincerely thanks all of the employees at NASA for your love, support and tenderness through the devastating loss of Carmella [Genaro]. "Miss Carm" truly loved and believed in what she did at Lewis Little Folks. She took her employment very seriously and respected every child, her staff, LLF parents and employees throughout the center. We have never seen such an outpouring of love and support that we received from NASA. The wall mural tribute to Carmella and the legacy she left will never be forgotten. While it was a shock to all of us to lose Carmella so quickly, your kindness has meant so much and will forever be in our hearts.

—Michael Genaro and family

[www.nasa.gov](http://www.nasa.gov)

## Celebrating Apollo 11's Historic Mission

The Apollo 11 mission's 40<sup>th</sup> anniversary was a welcomed stimulus to heighten awareness of NASA's impact on the history of space exploration and development of spacecraft for the next generation of explorers.

Throughout the year, NASA Glenn staff led or supported a variety of activities/events to commemorate the Apollo 11 mission (July 20, 1969)—when humans first walked on the moon. Below are some of the events:

- Pop-ups, banners and exhibits relating to the Apollo era were on display at the FIRST (Robotic) Buckeye Regional Competition and the Cleveland Air Show, Cleveland, Ohio; Neil Armstrong Museum, Wapakoneta, Ohio; Dayton Air Show, Dayton, Ohio; and the EAA Airadventure, Oshkosh, Wis.
- Glenn's Speakers Bureau members gave 12 presentations on the Apollo 11 era to organizations throughout the Cleveland area and across our six-state outreach areas.
- Apollo 11 video tribute and exhibit at the "Rocket Scientists" concert in Lakewood, Ohio in March, was reprised at the Ingenuity Festival in July.

*Guests for the onsite panel discussion included, left to right: former Center Director Larry Ross, John Nieberding, Erwin Zaretsky, Robert Hendricks and Louis Povinelli.*



2009-02140

Photo by Bridget Caswell

- In April, WKYC Channel 3 (Cleveland) partnered with Glenn to present a high-definition, hour-long prime time special, "To the Moon: Ohio's Journey," showcasing the Northeast Ohio region's contributions to America's space program. It featured interviews with Glenn managers, staff and former astronauts, and showed archive tapes and a glimpse of the next generation of moon exploration. The special aired again on July 20.
- Glenn's Learning Center offered "Exploration: A Curriculum of NASA History and Space Science Programs," featuring an extensive collection of DVD programs covering every aspect of NASA history, including Apollo 11, this year.

- *AeroSpace Frontiers* highlighted some of NASA Glenn's contributions to the Apollo program and the Agency's future exploration activities in the July issue.
- On July 18, record-breaking crowds attended the Visitor Center's Third Saturday Event, "Return to the Moon," featuring tours of facilities used in developing Apollo missions and presentations that explored NASA's ongoing work spacecraft development.
- Glenn's onsite celebration of the 40<sup>th</sup> anniversary, July 20, featured historic videos and a panel of five current and retiree employees who discussed their contributions to the mission.

—BY S. JENISE VERIS