

Gregory presents 2003 NASA Honor Awards

Glenn held its 2003 NASA Honor Awards Ceremony on Friday, August 8, at 10:30 a.m. in the DEB Auditorium. NASA Deputy Administrator Frederick D. Gregory was the keynote speaker and assisted in bestowing 31 medals—the Agency's highest award—to Center employees.



Gregory

Distinguished Service

Dr. John J. Adamczyk: For exceptional accomplishments in the development of computational methods for turbo-machinery aerodynamics.

Outstanding Leadership

Anita D. Liang: For outstanding leadership and contributions to the NASA Glenn Research Center's aeropropulsion mission and for strategic formulation and execution of aeropropulsion programs and projects.

Robert Romero: For outstanding leadership that has had a prominent effect upon the advancement of Glenn Research Center's model workplace concept, the equal opportunity community, and the technical and administrative programs at NASA.

Christine A. Root: For outstanding leadership and vision in establishing the Glenn Research Center as a recognized leader in Financial Management in NASA.

Exceptional Achievement



Dr. Judith V. Auping: For outstanding technical contributions to materials research studies and for establishing administrative database software systems that provide readily available data for management decisions.

Kim K. de Groh: For outstanding contributions to the understanding and enhancement of spacecraft materials durability.

Mary Jo Long-Davis: For the successful planning and implementation of the Defense Advanced Research Projects Agency (DARPA) Quiet Supersonic Platform Program and NASA's supersonic research efforts.

John B. McQuillen: For exceptional and exemplary contributions in establishing Glenn Research Center's world-class capabilities in multiphase-flow research in microgravity.

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Whitlow named Kennedy Space Center deputy director

William F. Readdy, associate administrator for Space Flight at NASA Headquarters, has named Glenn's own Dr. Woodrow Whitlow, Jr., the new deputy center director of Kennedy Space Center, FL, effective August 31. Whitlow will succeed James W. Kennedy, who becomes center director on August 10.



Dr. Whitlow

"Woodrow's background, experience, technical expertise, and proven leadership ability made him the logical and right choice as Kennedy's deputy center director," Readdy said. "His background, knowledge, and experience across a wide variety of NASA programs adds a critical dimension and focus to the center deputy's role, as we work to return to flight safely and as expeditiously as possible."

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NASA wins Emmy Award

Glenn press release

Filmed in Cleveland, "Measurement, Ratios, and Graphing: Who Added the 'Micro' to Gravity," a program in the NASA CONNECT™ series, was recently awarded a 2003 Emmy® Award in the Children/Youth Program category. The award is the seventh Emmy for NASA CONNECT and was recently announced by The Cleveland Chapter of the National Academy of Television Arts and Sciences.

This episode featured Dr. Sandra Olson of Glenn's Microgravity Combustion Science Branch, highlighting microgravity research in the area of spacecraft fire safety. "The NASA CONNECT team was great to work with, and it was an honor being part of this show," Olson said. "Being nominated for an Emmy was a complete surprise." Filming of the show took place at Glenn's Zero Gravity Facility.



Pictured, left to right, are NASA CONNECT Executive Producer Thomas E. Pinelli, Glenn's Dr. Olson, and NASA CONNECT Senior Producer William Benson.

In the program, students are introduced to combustion science and the importance of fire safety on the International Space Station. Students also learn about the important role chemistry plays in microgravity research and observe NASA engineers and scientists using measurement, ratios, and graphing to analyze data. Students also conduct a hands-on activity and a Web activity, which reinforce the program's instructional objectives and establish a connection between the NASA research featured in the program and the mathematics, science, and technology used in the classroom.

Participating in the program along with Olson were Dr. Roger Crouch, chief scientist for the International Space Station, and Dr. John Pojman, professor at the University of Southern Mississippi. NASA Marshall and NASA Headquarters were also featured.

NASA CONNECT is an annual series of integrated mathematics, science, and technology instructional distance learning programs for students in grades 6 to 8. Each program has three components: (1) a 30-minute television broadcast, which can be viewed live or taped for later use; (2) an interactive Web activity that provides educators an opportunity to use technology in the classroom setting; and (3) a lesson guide describing a hands-on activity. These three components are designed as an integrated instructional package and are provided free of charge over the Internet.

Program partners include the American Institute of Aeronautics and Astronautics, the National Council of Teachers of Mathematics, Northside Middle School, Norfolk, VA, and Riverdeep Learning, Cambridge, MA. About 175,000 educators in 50 states are registered users of NASA CONNECT, representing 6.8 million students. More information is available from the NASA CONNECT Web site at <http://connect.larc.nasa.gov>. ♦

Editor's note: CONNECT™ is a registered trademark of NASA Langley. Emmy® is a registered trademark of the National Academy of Television Arts and Sciences.

Kennedy named director at KSC

NASA Headquarters Associate Administrator for Space Flight William F. Readdy named James W. Kennedy the new director of Kennedy Space Center (KSC) in Florida. Kennedy, who served as deputy director since November 2002, succeeds General Roy Bridges, who was appointed to lead NASA Langley.



Kennedy

Over the past year, Kennedy has served as project manager for major initiatives, such as the X-34 and the DC-XA, and led KSC's One NASA effort. Prior to his assignment at KSC, Kennedy was deputy director of NASA Marshall in Huntsville, AL, where he held various positions of leadership including manager of Marshall's Space Shuttle Projects Resident Office at KSC, manager of the Solid Rocket Booster Project, and director of Science and Engineering. ♦

Whitlow to leave Glenn for KSC

Continued from page 1

As director of Research and Technology at Glenn since 1998, Whitlow led a staff of more than 470 scientists and engineers conducting research in high-temperature materials, aerospace power, propulsion systems, structures, and acoustics. Whitlow planned and directed Glenn research and technology development efforts to meet NASA programmatic commitments for advances in space power, space and aeronautics propulsion, and space communications.

Whitlow joined NASA in 1979 as a research scientist at NASA Langley where he held positions of increasing responsibility including chief of the Structures Division and deputy director of the Aeronautics Program Group. Whitlow also served at NASA Headquarters in the Office of Aeronautics, as director of the Critical Technologies Division, and program manager of Structures and Dynamics. ♦

Got full cost?

The concept of full cost confounds many. While accountants and financial analysts debate about what it means, full costing will affect project manager decisionmaking.

Be that as it may, full cost is coming to NASA—and Glenn specifically—on October 1.

Although the Full Cost Initiative is an integral part of the President's Management Agenda, the process began at NASA in 1995. The Initiative's goal is to standardize budgeting, accounting, and management processes across centers so Agency management can link the organization's mission with its budget and make better decisions about its use of resources.

When Senior Financial Advisor Owen Barwell, who directs NASA's Full Cost Initiative, visited Glenn on June 26, he provided an update on the initiative and listened to concerns from the project, line, finance, and resource communities.

According to Dan Walker, chief of Glenn's Resources Analysis and Management Office (RAMO) and deputy chief financial officer for Resources, budgets and financial reports will incorporate full cost policies from now on.

"This means project managers will have access to information regarding, and ultimately be responsible for, all elements of the full cost of their projects," Walker said. "These include direct labor and travel; direct contracts, grants, and purchases; service pool costs; or Center General and Administrative (G&A) costs."

In preparation for the change, RAMO is finalizing its approach to support fiscal year 2004 operations. Headquarters will soon be offering "Full Cost 101" to all NASA employees via its Full Cost Initiative Web site. A 1-day, instructor-led training class will also be available for project, resource, service pool, and line managers.

In addition, employees will begin seeing pictures of trained individuals with a big yellow dollar sign. These are the folks who "got full cost."

Look for more information and the latest updates at <http://fullcost.hq.nasa.gov/>, and stop by the Integrated Financial Management Program Exposition on August 27. ♦

Helios Investigation Board selected

Dr. Marla Pérez-Davis, chief of the Electrochemistry Branch in Glenn's Power and On-Board Propulsion Technologies Division, was selected to the Helios mishap board investigating the loss of the prototype solar aircraft, which occurred on June 26. Pérez-Davis is among five NASA and National Oceanic and Atmo-



Pérez-Davis



spheric Administration (NOAA) representatives reviewing data on the remotely operated aircraft that went down in the Pacific Ocean 29 minutes into flight near the U.S. Navy Pacific Missile Range Facility on Kauai, HI. No property damage or injuries beyond the prototype have been discovered as a result of the mishap. The other members of the board include Chairman Dr. Thomas Noll, NASA Langley; Stephen Ishmael, NASA Dryden; Geary Tiffany, NASA Ames; and Dr. John Brown, NOAA Forecast Systems Laboratory, Boulder, CO. ♦

Flynt named Ames deputy director



Flynt

G. Allen Flynt became the deputy center director at NASA Ames, effective August 3. He departed NASA Johnson, where he served as manager of the Extra-Vehicular Activity Project Office for developing hardware, integration standards, techniques, and other information necessary to provide spacewalking services to the space shuttle and International Space Station programs.

Flynt began his NASA career in 1986 as an analyst in the National Space Transportation System Program Office before moving on to serve in the space shuttle program control arena. ♦

Geveden named Marshall deputy

Rex D. Geveden will be the new deputy center director of Marshall Space Flight Center. Geveden succeeds David King, who became center director on June 15.



Geveden

Prior to this appointment, Geveden served as deputy director of the Science Directorate at Marshall where he led 600 government, industry, and university employees in scientifically diverse research and development projects in space science, materials science, biotechnology, Earth science, and space optics.

Geveden was the first NASA employee to achieve the highest level of certification in the Agency's Project Management Development Process. ♦

Jennings visits

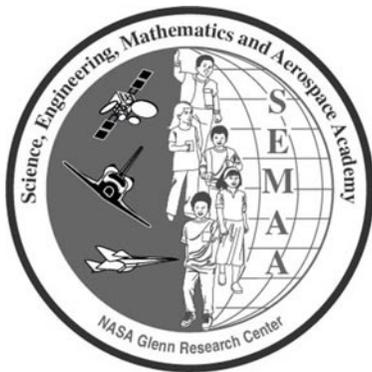
NASA Associate Deputy Administrator for Institutions and Asset Management James Jennings visited the Center on June 20. Accompanying him was Karen Hickman, former Glenn liaison officer and now executive officer to Jennings; Michael Reilly, director of Institutional Management; Jean Rayhle, program analyst; and Ermerdene Lee, internal operations analyst. Center management briefed Jennings on institutional issues such as workforce, facilities status, full cost, and Integrated Financial Management implementation. Pictured reviewing the plan for relocating Glenn facilities to make room for the runway expansion project at Cleveland Hopkins Airport are, left to right, Glenn's Chief Architect Joe Morris, Jennings, Director of Engineering and Technical Services Randall Furnas, Deputy Center Director Julian Earls, and Center Director Donald Campbell.



C-2003-1095

Photo by Quentin Schwinn

Inspiration



Students, parents, and administrators from all 19 Science, Engineering, Mathematics and Aerospace Academy (SEMMA) sites across the country took part in the program's 10th anniversary celebration, which also coincided with the annual National SEMAA Conference, held June 16 to 19 in Cleveland, OH. SEMAA founders—Louis Stokes, former Congressman; Dr. Jerry Sue Thornton, president of Cuyahoga Community College; John Hairston, Glenn's director of External Programs and Dr. Lynn Bondurant, Glenn's retired educational programs officer—were recognized in a special awards presentation at the opening day dinner. The conference focused on creating program awareness, networking, and developing partnerships. Highlights of the conference included a luncheon address by Dr. Yvonne Freeman, executive director of SECME, Inc., a precollege program in science, technology, engineering, and mathematics for teachers; a panel discussion on the benefits of SEMMA; and a robotics demonstration. SEMMA is managed by Glenn's Office of Educational Programs.

Glenn supports national noise control conference

NASA was featured prominently as a cosponsor of the *NoiseCon 2003*, the Institute of Noise Control Engineering national conference, held June 23 to 25 in Cleveland. A team of Glenn volunteers from the Engineering Development Division, Structures and Acoustics Division, Imaging Technology Center, and Publishing Services supported the event, which highlighted NASA's work in the area of acoustics and hearing conservation for the International Space Station as well as aeroacoustics (jet noise research).

Dr. Richard Williams, NASA's chief health and medical officer, welcomed the 270 participants to the event where more than 30 papers were presented by NASA-associated authors, including a plenary lecture by Colonel John Allen, program executive for crew health and safety in the Office of Space Flight at

NASA Headquarters. During a tour of Glenn's acoustical facilities—the Aeroacoustic Propulsion Laboratory, the 9-by-15-Foot Low-Speed Wind Tunnel, and the Acoustical Testing Laboratory (ATL)—visitors not only viewed presentations and demonstrations of collaborative projects but also helped celebrate the ATL's recent accreditation by the National Voluntary Laboratory Accreditation Program for sound power level determinations per ISO 3744. Graduate-level training during two post-conference seminars,

Academic partners from Brigham Young University demonstrate a scanning sound intensity measurement system developed for Glenn's ATL.

Controlling Noise Emission (low-noise design) and *Aeroacoustics*, was also provided and led by teams of experts well-known to the NASA community. ♦

Photo by Quentin Schwinn



C-2003-1105



Director's Corner

With Donald Campbell

Return to flight

NASA faces many challenges as we go forward from the tragic and traumatic events of February. I am very proud of the way the people of this Agency, and especially Glenn, have come together through the *Columbia* investigation and moved forward on NASA's highest priority—Return to Flight.

Glenn has a long tradition of supporting the Agency's human space exploration efforts that continues with our involvement in the Return to Flight activities. These include slag analyses, debris impact test and analysis, external tank wind tunnel testing, and oxidation damage assessment for reinforced carbon composites panels. These activities further demonstrate the value and Agencywide recognized expertise residing at Glenn.

NASA has already begun responding to findings based on the investigation and will include additional findings as the investigation is completed. To aid us in our Return to Flight activities, the Agency has established a set of guiding principles for our actions in all that we do:

1. Focus on the future. Lead. Embrace a common theme and move out with it.
2. Lay out a plan with a set of discernible milestones.
 - Look at the total picture.
 - Respond to all recommendations.
 - Fix all things you believe necessary.
 - Don't delay.
3. Implement your plan. Don't be sidetracked by the commentary of critics.
4. Any amount of time spent on communicating with your team is time well spent.
5. Cultivate a range of champions.
6. Remember—It's not about defending the past. It's about learning from the past and leading the future.

News Notes

LESA MEETING: LESA/IPFTE, Local 28, will hold its next monthly membership meeting on Wednesday, August 13, at noon in the Employee Center,

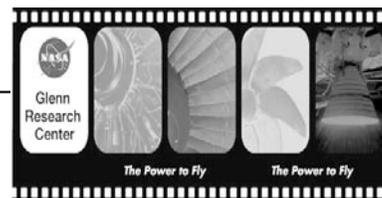
WOMEN RETIREE LUNCHEON: The next luncheon for Glenn (Lewis) female retirees is Thursday, August 14, noon,

For further information, contact Kathy Dorsey, 440-234-3935.

VC CENTENNIAL CELEBRATION: Glenn's Visitor Center (VC) will host its Centennial of Flight Celebration on Saturday, August 16, 10 a.m. to 5 p.m. A fun-filled, interactive program will encourage audience participation through special attractions for all ages. Advanced registration is required by calling 216-433-9653.

NEW INITIATIVES EXPO: Glenn will host a New Initiatives Expo featuring WebTADS, Budget Formulation, Full Cost, Integrated Asset Management, ePayroll, One NASA, and Freedom to Manage on Wednesday, August 27 in the Ad Building Auditorium from 10 a.m. to 2 p.m. Previously implement-

Centennial events



NASA is proud to be a part of three upcoming national events celebrating the Centennial of Flight:

- **Rockefeller Center Centennial of Flight Expo, New York City, through August 17.** State-of-the-art exhibit takes a comprehensive look at aviation, beginning with the first flight and leading up to today's discoveries.
- **L.A. County Fair, Pomona, CA, September 12 to 28.** "High Flying Fun" celebrates aeronautics, airmanship, and the thrill of flight.
- **ShoreFest, Long Beach, CA, October 3 to 5.** Free, multifaceted event consists of six festivals, including the U.S. Navy Blue Angels and Canadian Forces Snowbirds at AirFest and Unlimited Hydroplanes at WaterFest.

The second two events will feature NASA's *Powering Flights, Powering Dreams*... touring exhibit, which is managed through Glenn's Community and Media Relations Office.

For further information, visit <http://centennial.grc.nasa.gov>.

ed Information Financial Management programs will also be represented. The Exchange will have lunch for sale from 11 a.m. to 1 p.m.

NACA REUNION: There is still time to secure reservations for the NACA Reunion X, which takes place October 10

through 12 in Cleveland. Those who have already expressed an interest in attending must fill out the forms and return them as soon as possible. For questions or further information, contact the Reunion X Committee Office, 216-433-5358.

Honor Awards

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Cynthia Naiman: For outstanding leadership in the development of revolutionary propulsion system analysis tools for the U.S. aircraft engine industry.

Exceptional Service

Godfrey Anzic: For sustained performance and outstanding leadership in the Communications Technology Division for the areas of antenna technology and characterization facilities, BMS/ISO procedures, and the Small Business Innovation Research (SBIR) Program.

Renee J. Batts: For extraordinary knowledge, dedication, and outstanding leadership skills that have significantly contributed to the efficiency and effectiveness of the Office of Equal Opportunity Programs and the Glenn Research Center.

James M. Budinger: For outstanding project and technical achievements in the development of advanced communications technology.

Donald J. Campbell: For diverse technical experience and expertise, which demonstrate a unique ability to lead, plan, and coordinate broad-scoped and highly complex aeronautics research and technology programs.

Dr. James H. Dittmar: For original contributions to aeroacoustics research and noise reduction methods for turbomachinery.

Dr. Stanley R. Levine: For outstanding contributions toward advancing research in ceramics and ceramic matrix composites for aerospace applications.

Oral Mehmed: For significant contributions to turbomachinery structural dynamic research that led to the development of new propulsion system concepts.

Hugh F. Pierce, Jr.: For providing significant innovative and creative contributions to and demonstrated leadership in the position management and classification programs while maintaining the integrity of human resources principles.

William J. Rieke: For outstanding leadership in support of Flight Operations at the NASA Glenn Research Center.

Frank Robinson, Jr.: For exceptional leadership in developing a comprehensive Safety and Mission Assurance Program for research and technology projects and programs in the Aeronautics and Space Directorates.

Douglas A. Rohn: For significant and sustained performance in project management, leadership, and advocacy towards the successful development of aviation safety technologies.

Dr. Rickey J. Shyne: For outstanding technical and managerial leadership in support of NASA's air-breathing propulsion research activities for aeronautics and space applications.

Gynelle C. Steele: For outstanding contributions to NASA's small business goals and educational outreach.

Mark A. Stevens: For continuous and exceptional contributions to the NASA Glenn Research Center in-house turbomachinery programs.

Robert J. Thomas: For sustained outstanding performance in facilities management related to resources, maintenance, configuration control, and real property, having a significant impact on the operational readiness of the Center's institutional and test facilities.

David W. York: For outstanding contributions in the area of software development supporting NASA Glenn Research Center's vital mission areas of microgravity science and biotechnology.

June F. Zakrajsek: For distinguished accomplishments in propulsion health management research, technology development, and demonstration.



Dr. Adamczyk



Anzic



Dr. Auping



Bagwell



Batts



Dr. Bowman



Budinger



Campbell



de Groh



Dr. Lee

Honor Awards



Narváez-Legeza



Dr. Levine



Rieke



Liang



Robinson



Long-Davis



Rohn



Mehmed



Romero



Naiman

Exceptional Engineering Achievement

Dr. Randy R. Bowman: For exceptional materials engineering in support of demonstrating the flight worthiness of the Stirling Radioisotope Generator.

Thomas M. Tomsik: For contributions to enabling technology for the NASA Space Launch Initiative Second Generation Reusable Launch Vehicle Program.

Equal Employment Opportunity

Adabelle Narváez-Legeza: For outstanding support of the equal opportunity goals at Glenn Research Center by providing leadership, consultation, and outreach to Glenn, Northeast Ohio, and national organizations.

Public Service

Dr. Kang N. Lee: For outstanding technical research and development of the environmental barrier coating, making possible the use of ceramic matrix composites for gas turbine engine combustor liners.

Dr. Ali Sayir: For significant contributions toward the development of high-temperature oxide ceramic materials for aerospace applications.

Group Achievement Awards

Active Combustion Control Team: For successful demonstration of the capability to suppress high-frequency combustion instability for aircraft engine applications through active control.

Active Noise Control Fan Trailing Edge Blowing Design Team: For providing the aerodynamic and mechanical design for new fan blades and air supply system to study the effects of fan trailing edge blowing in turbofan engines.

Enhanced Aeroengine Compressor Stability Team: For development and successful demonstration of an innovative method to significantly increase the stable operating range of high-work compressors for turbine-based propulsion systems.

Environmental Management System Implementation Team: For the successful development and implementation of an Environmental Management System at Glenn Research Center.

Ferroelectric Thin Film-Based Microwave Components Team: For outstanding contributions to the field of ferroelectric thin film-based microwave components, which have led to the recognition of the NASA Glenn Research Center as a world leader in the area of tunable microwave technology for communication applications.

FIRST Buckeye Regional Robotics Competition Team: For significant support of the educational partnership hosting the Buckeye Regional FIRST Robotics Competition in Cleveland, an outstanding effort in inspiring the next generation of engineering explorers.

Instrumentation Team: For outstanding efforts over the last 9 years in supporting test facilities and in training apprentices.

Integrated Instrumentation and Testing Systems Team: For excellence in the innovation of advanced measurement technology for aerospace test facilities.

Nuclear Systems Initiative Team: For outstanding leadership, dedication, and significant contributions in the formulation of the Nuclear Systems Initiative program within NASA Code S.

Parametric Inlet Development Team: For design and fabrication of a supersonic inlet with improved manufacturability and operation.

Quiet Supersonic Platform Fan Evaluation Team: For successfully obtaining aeroacoustic and aerodynamic performance test data on a high-speed, two-stage fan in support of the Defense Advanced Research Projects Agency (DARPA) Quiet Supersonic Platform Program.

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Rocket Engine Test Facility's legacy lives on

BY DOREEN B. ZUDELL

When the Rocket Engine Test Facility (RETF), is demolished this month to make way for the Cleveland Hopkins Airport expansion, the structure will be gone but its legacy will live on for future generations to learn from and to marvel in its contributions.

Proclaimed a National Historic Landmark in 1984, the RETF, located in the 4 is recognized for its role in advancing lightweight, regenerative-cooled, hydrogen-fueled engines and for advancing propulsion technology used in NASA missions and programs.

Over the past year, Glenn's Facility Preservation Officer Joseph Morris has been working with the Center, Agency, city, state, and national teams to ensure that the history of the 47-year-old facility is preserved.

"Among the many accomplishments that resulted from work in the RETF was the development of the RL-10 engine for the Centaur rocket, the J-2 engine for the Saturn rocket, and the hydrogen-oxygen engines used on the space shuttle," said Morris. "If we were taking down the White House, we would go through the same extensive process as our Hardlines Design (Columbus) consultants have followed for the RETF."

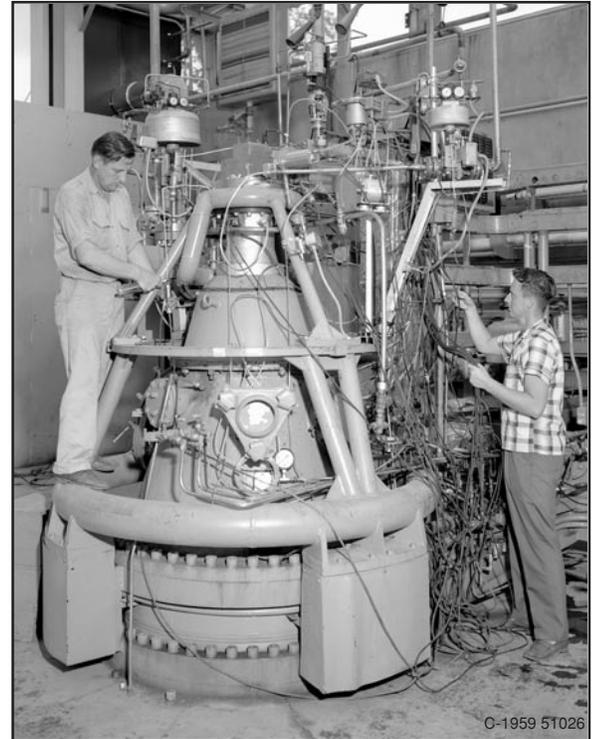
A significant aspect of the preservation process includes identifying hundreds of artifacts from the facility. While Glenn has retained first rights to the artifacts, many items are available to other NASA centers and museums, such as the Smithsonian Institution. Glenn's Logistics Technical Information Division worked closely with RETF personnel to tag, photograph, and catalogue the artifacts. Current and retired Glenn personnel who worked in the facility gathered at the Guerin House on June 26 to help identify hundreds of photographs taken at the facility through the years.

Cataloguing the RETF documents has also been an intensive process, according to Glenn History Officer Kevin Coleman.

"About 395 files have been catalogued by placing them in acid-free boxes and folders. Originally they filled almost eight file cabinets. History Enterprises, Inc., has prepared a detailed finding aid and database for use by scholars interested in the history of the facility. In addition, Virginia Dawson, author of *Engines and Innovation*, a historical look at the then Lewis Laboratory and American propulsion technology, is currently reviewing this material to write a book on the RETF," Coleman said.

Hardlines Design will create an RETF Web page in 2004 that will provide interactive information on the facility, including photographs and live video files of test runs performed in the 1960s. A Visitor Center display is also in the planning stages, including videos that will feature retirees reflecting on their experiences in the facility.

"The RETF was an amazing facility," Morris explained. "But it was the talented and dedicated people who worked there



This 1959 photo in the RETF shows mechanics preparing for testing in Test Stand A. Work in this test stand led to the facility being named a National Historic Landmark.

and the research they performed that made it historic. Now we'll be able to share their history with future generations. Their story teaches us that any of our day-to-day activities could one day become a significant part of history—for Glenn and the Nation." ♦

Former employees look back

BY DOREEN B. ZUDELL

Nine individuals who have made significant contributions to the Agency through their work in the Rocket Engine Test Facility (RETF) gathered at the Guerin House on June 26 to do their part in preserving the past.

While the objective of the meeting was to identify hundreds of old photographs of the South 40 area—primarily the RETF, which will be demolished this month—the overall theme was pride and camaraderie.

The group included current employees and retirees who have either returned to Lab as support service contractors or consultants: Andrew Aron, ZIN; Douglas Bewley, William Torres, and Neal Wingendorf, QSS; Robert Braun, Terrell Jansen, and Robert Vanek, Engineering and Technical Services Directorate; and George Repas and Richard Quentmeyer, independent consultants.

"The group of us in the Rocket Lab believed in what we were doing," said Bewley, who worked at the Center from 1986 to 1996. "I remember back in 1990, the RETF team

Continued on next page

Honor awards

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Public Service Group Achievement

Occupational Medicine Services and Fitness Center: For providing Glenn Research Center employees with outstanding health care, injury prevention, and wellness programs.

Due to the large number of Government, industry, and academia team members recognized in each of the group awards, *AeroSpace Frontiers* is unable to acknowledge each person. A full list of team honorees can be found in the *Today@Glenn* archives (Choose "Find News," and select Official Glenn Bulletins, July 15, 2003), under the title "2003 Honor Awards Ceremony."

Editor's note: *In addition to the NASA Honor Awards, recipients of other awards were recognized at the ceremony. They have been published previously in the AeroSpace Frontiers. They include Senior Executive Service appointments, April 2003; Presidential Rank award, January 2003; and Abe Silverstein Medal, Steven V. Szabo Engineering Excellence, and Craftsmanship awards, June 2003.*



Dr. Sayir



Dr. Shyne



Steele



Tomsik



Stevens



York



Thomas



Zakrajsek

Forty-Year Service awards

Kenneth A. Adams, James W. Bagwell, Robert J. Boyle, Richard D. Clapper, Thomas P. Dorony, Dr. John P. Gyekenyesi, Clark A. Hahn, Balazs R. Hatvani, Albert J. Juhasz, Ronald J. Molosky, Thomas F. Niezgoda, Charles W. Putt, Vincent K. Rawlin, Dr. Walter Rzasnicki, Dr. Richard G. Seasholtz, Dr. Peter M. Sockol, Ronald H. Soeder, James S. Sovey, Edwin G. Wintucky, and Robert J. Zakrajsek.

REFT staff gather and reminisce over photographs

Continued from page 2

was asked to test the Spindle Injector Rocket Engine (a joint NASA, TRW, and McDonnell Douglas program) at Test Stand A. The TRW engineers were skeptical at first when they learned that we manned the facility with just five

Photo by S. Jenise Veris



engineers, not 20 or 30 that they had back at their California test sites. But we proved to them that we were a skillful and efficient team, and left them in awe."

Glenn History Officer Kevin Coleman, Logistics and Technical Information Division, who helped coordinate the activity, said that because sketchy documentation of the Lab's history, retirees are a vital link to the Center's past. In fact, the Center is enlisting the aid of some of those who attended

Seated (left to right) around the table are retirees Repas (back to camera), Jansen, Bewley, Vanek, Quentimeyer, Braun, Torres, and Wingenfeld who helped identify RETF photos for the archives. Standing, left to right, are Jon Erdmann and Greg Plassard from Cleveland Hopkins Airport.

the gathering in other areas of the facility preservation process.

"Among the valuable contributions the engineers and technicians made at the meeting was distinguishing between the different RETF stands in photographs," Coleman said. "It is especially important to document artifacts in pictures of Test Stand A, which is considered the most historic, and led to the facility being named a National Historic Landmark."

While recalling the many experiences during his tenure in the RETF, Wingenfeld, who retired in 2001, said that the time spent reviewing the pictures with this group of retirees put it all into perspective for him.

He said, "While we're proud of our technological contributions, it's the people who we knew and cared about that we value the most." ♦

People

NASA scholarships

Theresa Guo and **Margaret Liang** are two students among six selected from 82 applicants Agencywide to receive a NASA College Scholarship award. The scholarship is awarded to qualified dependents of current and retired NASA employees. It is funded through the combined gift of Pulitzer Prize winning author, James A. Michener, and significant contributions made by the Freedom Forum and the JSC Chapter of the NASA Alumni League in honor of former shuttle crew members. It is sustained by a host of NASA employees either directly or through the Combined Federal Campaign.



Guo



Liang

Theresa Guo, daughter of Dr. Ten-Huei Guo (5530), is a 2003 graduate of Lake Ridge Academy. She has earned numerous academic honors including the Congressman Sherrod Brown Service Award, Northern Ohio Youth Orchestra Conductor's Award Scholarship (cello), National Merit **Scholarship Finalist**, and National Honor Society. Guo will attend _____ where she plans to study biomedical engineering.

Margaret Liang, daughter of Dr. Chun-Hua Chuang (5150), is a 2003 graduate of Brecksville-Broadview Heights High School where she ranked first in her class of 338 students. Liang has earned numerous academic honors including National Merit Scholarship Finalist, Science Olympia Awards, Outstanding Math/Science Junior Award, National Honor Society, and Phi Beta Kappa Senior Award. Liang plans to attend _____ in the fall where she will major in biochemistry.

Honors

Correction: Dr. Christos Chamis, 5000, was elected Fellow in the Society of Automotive Engineers. It was incorrectly stated as the Society of American Engineers in the July 2003 *AeroSpace Frontiers*.

Promotions

Marjorie Trujillo has been named executive support assistant to Deputy Center Director Dr. Julian Earls, Office of the Director. She previously held this position in the Research and Technology Directorate. Trujillo, who began her NASA career in 1983, received a NASA Honor Award in 2002 for Exceptional Service.



Trujillo

In Appreciation

My family and I would like to thank my coworkers and RAC building employees for their words of kindness, cards, flowers, and contributions given at the passing of my father, Booker T. Payne. He was a devoted NASA employee in the building maintenance department from 1942 until retiring in 1971. God bless all of you for being so thoughtful and caring.

—Erma Albergottie

Dear friends, the many kindnesses you extended to me throughout my sister's illness and upon her recent death have been wonderfully comforting. Your compassion has helped soften my loss. Thank you.

—Karen Sniezek



NASA chooses "Explorer Schools"

Five teams of schools in the six-state region served by Glenn have been selected by NASA to participate in the new NASA Explorer Schools Program. They are Lorain Middle School, Lorain, OH; Joyce Kilmer Elementary School, Chicago, IL; Southfield High School, partnering with Glenn Levey Middle School and Morris Adler Elementary School, all in Southfield, MI.; Crossroads Elementary School, St. Paul, MN; and Anwatin Middle School, partnering with Bryn Mawr, in Minneapolis, MN.

The new initiative, sponsored by NASA's Education Enterprise in collaboration with the National Science Teachers Association, establishes a 3-year partnership between NASA and 50 Explorer School teams consisting of teachers and education administrators from diverse communities in 30 states. Teachers from these schools attended a workshop at Glenn last month designed to spark innovative ideas for instruction directed specifically to students in grades 5 through 8.

Read more about the program at <http://explorerschools.nasa.gov>. ♦

AeroSpace Frontiers is an official publication of Glenn Research Center, National Aeronautics and Space Administration. It is published the first 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. Its circulation is approximately 6700.

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DEADLINES: News items and brief announcements for publication in the September issue must be received by noon, August 15. The deadline for the October issue is noon, September 19. Submit contributions to the editor via e-mail, doreen.zudell@grc.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

Eakin was dedicated, fire protection professional



Eakin

Thomas Eakin, a fire protection engineer in the Safety Office, died unexpectedly on Tuesday, July 8, 2003. He was 47 years old.

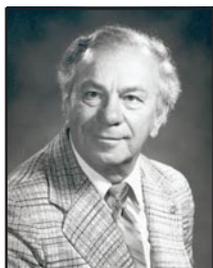
Eakin was a 1979 graduate of the Youngstown State University, where he received a bachelor's degree in civil engineering. In 1994 he joined Raytheon Engineers & Constructors, Inc., supporting the Glenn Safety Office. In 1999 he became a civil servant and the first designated fire protection and life safety engineer. He was a true professional, highly regarded not only at Glenn, but among other fire protection professionals within NASA. To the Agency, Eakin was the technical leader in addressing fire protection needs for NASA.

Eakin was an officer in the Northeast Ohio Society of Fire Protection Engineers, and a member of the National Fire Protection Association. His dedication to advancing fire protection engineering and life safety was preeminent in his field.

In addition to his wife Kveta, and son Paul, Eakin is survived by his brother, Dr. Richard Eakin, and sister, Patricia Jones.

Contributions to the family may be made to the "Eakin Family Fund" at any Fifth Third Bank location.

Paul Harrigal, 82, who retired from Glenn with 23 years of service, recently died.



Harrigal

He worked as an architecture technician in the Facilities Engineering Division at the time of his retirement in 1985. His daughter, Lynn Oskins, ZIN, currently supports the Space Directorate.

Behind the Badge

a closer look at our colleagues

David Thomas



Job assignment: I'm program manager for Akima Corporation's TAFSS contract.

Time at NASA: I've worked at the Center for approximately 15 years: 1981 to 1991, FORSC contract; and 1996 to 1997, and 1999 to the present, TAFSS contract.

Hometown: My hometown is Columbus. I currently reside in

Describe your family: There are three of us at home: my wife, Charice, my son, Thomas, and myself. Thomas and I share the same birthday. So as it goes, all the attention goes to him

when birthday time comes around. I consider myself to be blessed with such a wonderful family.

Career alternative: After college (still uncertain of an ultimate career path), I debated on whether I should go to law school or seminary. My aspirations for full-time ministry were stronger than for becoming a lawyer or continuing on in a technical field, so I completed seminary school and earned a Master of Divinity degree. Somehow, I still got sidetracked and ended up in a secular career. No doubt, if I had to pick an alternative career, full-time ministry would be it.

Favorite food: Ethnic dishes of almost any kind

Favorite music: Rhythm and blues, old school, and gospel

Favorite Web site: usatoday.com

Favorite book: There are so many that I have enjoyed. However, I enjoy books on personal development, theology, psychology, and biographies.

Favorite movie: The original *Time Machine* and *The Godfather*

Person you most admire: There are so many wonderful people in my life that I could name any number of individuals that I really admire. However, my wife has to be the one that I most admire.

Activities when away from NASA: Golf, traveling, reading, and graphic arts.

What do you see as an area of expertise to be proud of at NASA? All of us here at NASA have unique talents in various fields. What impresses me most is the dedication and commitment that I see from so many in their respective fields of expertise.

Exchange Corner

- Summer is passing by. Don't forget that discount movie tickets for Regal Cinema, AMC theaters, and Cinemark theaters are available in the Exchange Store. Also available are Cedar Point and Six Flags amusement park tickets for the 2003 season.
- It's time for the Exchange Store's annual Back-to-School Sale. Save 20 percent off all clothing at the Exchange Store. The sale starts on Monday, August 11, and runs through Friday, August 15. NASA shirts and hats make great back-to-school apparel.
- Let the Exchange help plan your next party! The Deli and Catering Department can prepare and deliver your order to any building at the Center. For more information, call Becky Tinlin, 216-433-5534.

Centennial of Flight

Events to focus on aviation achievements

Glenn will highlight the global importance of aviation over the past 100 years and into the future through two upcoming events—the Cleveland National Air Show and the 16th International Symposium on Air Breathing Engines (XVI ISABE).

On August 30 and 31, the Center will again take part in the Cleveland National Air Show at Burke Lakefront Airport. This year's exhibit will emphasize NASA's contributions to a century of advancements in air and space flight, as well as the Agency's commitment to creating safer, more reliable, and more affordable air travel and access to space.

"A 40- by 40-foot exhibit—from the Lear 25 model jet to an International Space Station model—will showcase NASA's technology and quest for new, uncharted horizons," explained Project Manager Orlando Thompson, Sr., Community and Media Relations Office.

In a section devoted to the celebration of the Centennial of Flight, attendees can view a replica of the Wright Brothers' 1900 glider. Glenn aeronautical engineer Tom Benson, in character as Wilbur

Wright, will talk about the brothers' work. Also on hand will be the Mobile Aeronautics Educational Laboratory, which stimulates interest in aeronautics with state-of-the-art workstations. The popular "Picture Yourself in Space" photo booth will also return, where guests can have personalized photographs taken of themselves dressed as astronauts in space.

The Center will also proudly host the XVI ISABE from August 31 through September 5 at the Cleveland Renaissance Hotel. This is a biannual event organized by the International Society For Air Breathing Engines and is only held in the United States every 6 years. Center Director Donald Campbell is chairperson and Aeronautics Director Arun Sehra is the cochairperson.

The symposium brings together internationally renowned leaders in aerospace for technical exchanges and networking. Distinguished speakers include Richard "Dick" Rutan, pilot of the Voyager aircraft's nonstop and unrefueled flight around the world in 1986, and



The U.S. Navy's Blue Angels will be at the Cleveland National Air Show.

Tom Couch, aviation historian and author from the Smithsonian Institution.

"On September 3, symposium participants will tour selected Center facilities and enjoy an American-style barbeque at the Hangar," said Executive Operations Manager Sandra App, Aeronautics Directorate, who is serving as XVI ISABE co-administrative chair.

Joining Glenn as major sponsors of the symposium are GE Aircraft Engines, Pratt & Whitney, MTU Aero Engines GmbH, Rolls Royce, Honeywell, Volvo Aero Corporation, OAI, and Allied Aerospace Industries. ♦

National Aeronautics and
Space Administration

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