



## **LANGLEY ALUMNI ASSOCIATION**



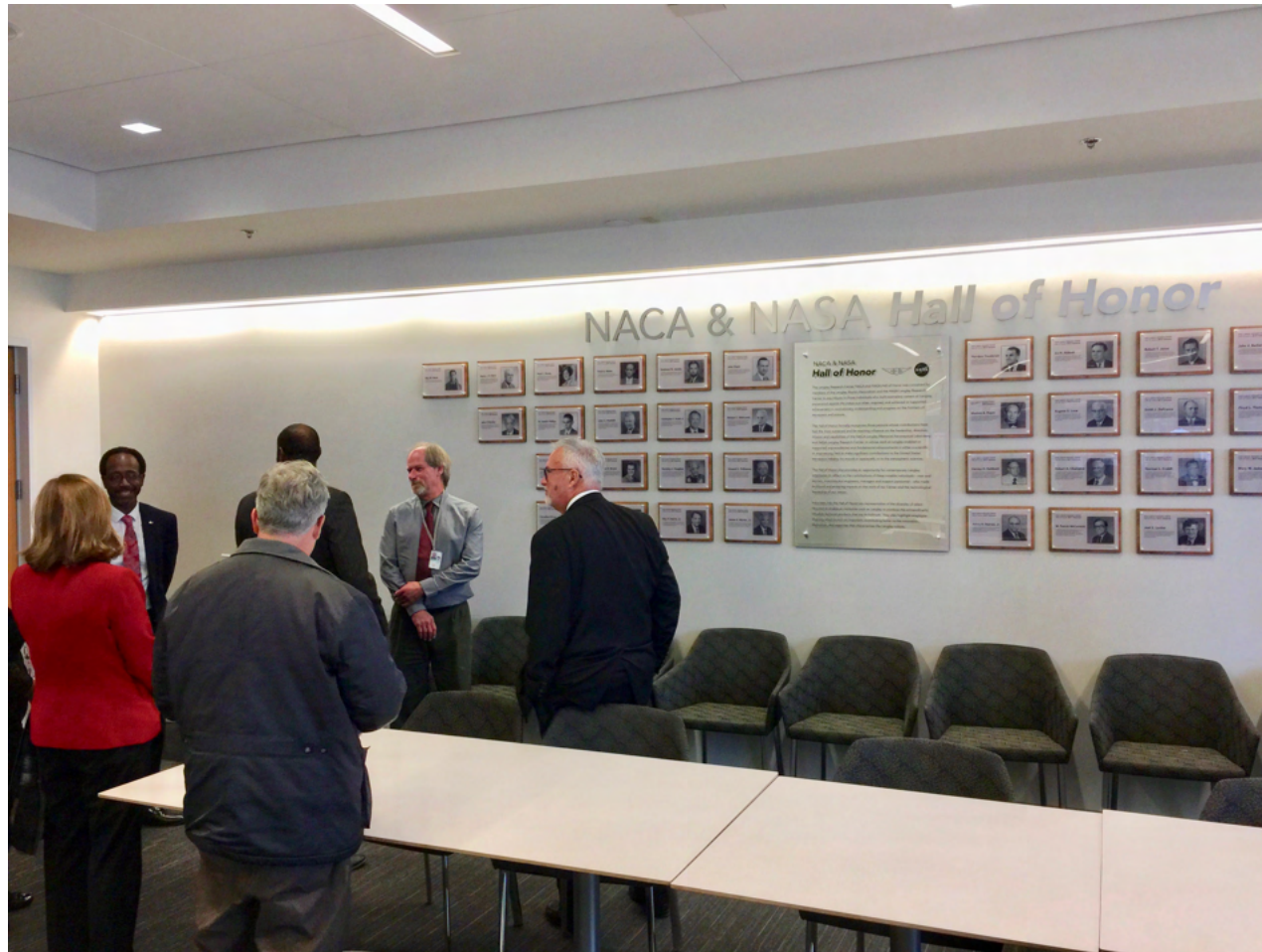
**Zoom Presentation on July 14, 2020**

**The Langley Research Center NACA and NASA Hall of Honor**

**By**

**Dr. Christine Darden and Duncan McIver**  
NASA Langley Research Center (Retired)

# The Langley Research Center NACA and NASA Hall of Honor Display



# Outline of Presentation

- Final NACA Reunion, May 2-4, 2008
- Creation of The LaRC NACA and NASA Hall of Honor
- Class of 2015
  - Honorees and Contributions
  - Induction Ceremony, August 13, 2015
- Class of 2017
  - Honorees and Contributions
  - Induction Ceremony, June 1, 2017
- Hall of Honor Team
  - Members
  - Key Documents
- Next Class, 2022 ?



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<b>NACA Reunion XII</b>

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## NACA Reunion XII Successful

### Background



Welcome to a report on the successfully completed NACA Reunion XII. Once again we gathered to renew acquaintances and to celebrate our careers in the National Advisory Committee for Aeronautics (NACA), which transitioned to NASA almost 50 years ago on October 1, 1958. We celebrated the 12th and Final NACA Reunion here at the NASA Langley Research Center, which was established as the first NACA facility in 1917 as the Langley Memorial Aeronautical Laboratory.

NACA Reunion XII was co-sponsored by the NASA Langley Research Center and the Langley Alumni Association and took place in Hampton, Virginia, May 2-4, 2008. There were 360 attendees from over 30 States and all seemed to have a great time.



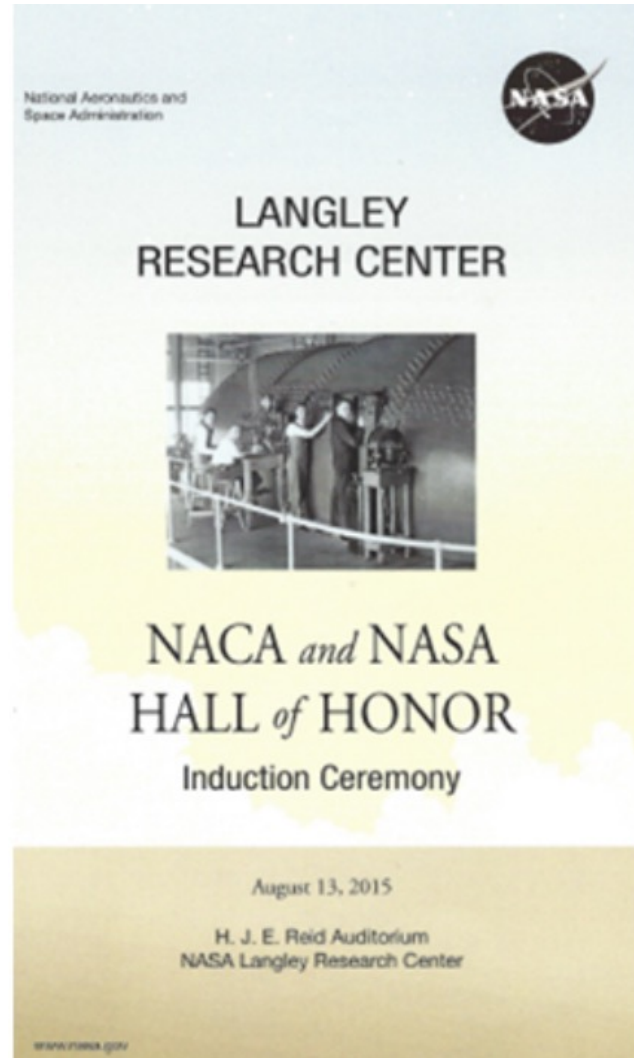
NASA Administrator Michael Griffin gave a powerful speech recognizing the important contributions of the NACA at the opening ceremony in the H.J.E. Reid Center at the NASA Langley Research Center. Over 300 attended the event also heard impressive presentations from NASA Langley Center Director Lesa Roe, and Air Force Vice Commander Jeffrey Prichard of the First Fighter Wing. Reunion Chairman Duncan McIver presented the NASA Administrator with a plaque from NACA congratulating NASA on their 50th Anniversary on October 1, 2008. The Administrator said he would hang the plaque in a prominent place in NASA Headquarters.

# Mission of the NACA NASA Hall of Honor

- The Langley Research Center National Advisory Committee for Aeronautics (NACA) and National Aeronautics and Space Administration (NASA) Hall of Honor was conceived by members of the Langley Alumni Association and the NASA Langley as a way to honor individuals who built exemplary careers at Langley, and achieved revolutionary accomplishments on the frontiers of the aerospace sciences.
- Inductees into the Hall of Honor are representative of the diversity of talent required to enable an institution such as Langley to produce the extraordinarily valuable products that are its hallmark. They also highlight employee diversity, which is such an important contributing factor to the innovation, dedication, and expertise that characterizes the Langley culture.



# PROGRAM - CLASS OF 2015



Welcome  
**Clayton Turner**  
*Deputy Director, NASA Langley Research Center*

Presentation of Colors  
**Joint Base Langley-Eustis Honor Guard**

Singing of National Anthem  
**Kerry Gough**  
*Systems Engineering & Engineering Methods Branch*

Remarks  
**The Honorable John Miller**  
*Virginia State Senator, 1st District*  
**The Honorable Mamye BaCote**  
*Virginia General Assembly Delegate, 95th District*  
**The Honorable George Wallace**  
*Mayor, City of Hampton*  
**The Honorable Thomas Shepperd, Jr.**  
*Chair, York County Board of Supervisors*  
**The Honorable Charles "Bud" Southall III**  
*Poquoson City Council*  
**The Honorable Sharon Scott**  
*Newport News City Council*

Foundations of Excellence  
**Joseph Chambers**  
*NASA Langley Retiree, Aerospace History Author*

Presentation of 2015  
NACA and NASA Hall of Honor  
**Clayton Turner**  
*Deputy Director, NASA Langley Research Center*  
**Duncan McIver**  
*NACA and NASA Langley Retiree, Chair of Hall of Honor Committee*  
**David Throckmorton**  
*NASA Langley Retiree, Member of Hall of Honor Committee*

Reception

# 2015 Honorees



- 19 inductees
  - 4 NACA
  - 15 NACA/NASA
- 618 years of collective NACA/NASA service
- Four Collier Trophies:
  - 1929 Cowling for radial air-cooled engines
  - 1947 Conception of X-1
  - 1951 Transonic slotted-throat wind tunnel
  - 1954 The Area Rule

# CATEGORIES OF CONTRIBUTIONS

WORLD CLASS FACILITIES  
EXCELLENCE IN REPORTING  
SHAPING THE AIRPLANE  
ENABLING HIGH-SPEED FLIGHT  
MEETING THE MOON CHALLENGE  
MANAGING LANGLEY



# WORLD CLASS FACILITIES



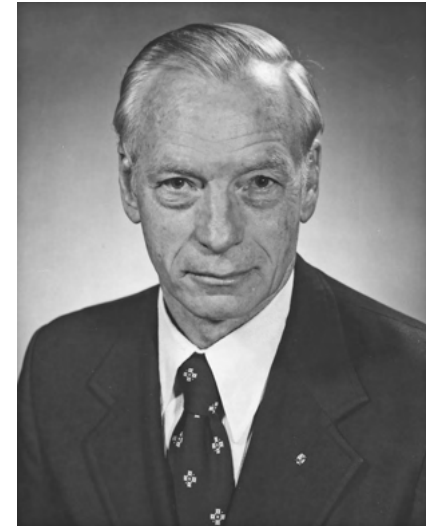
**MAX T.  
MONK**



**THEODORE  
THEODORSEN**

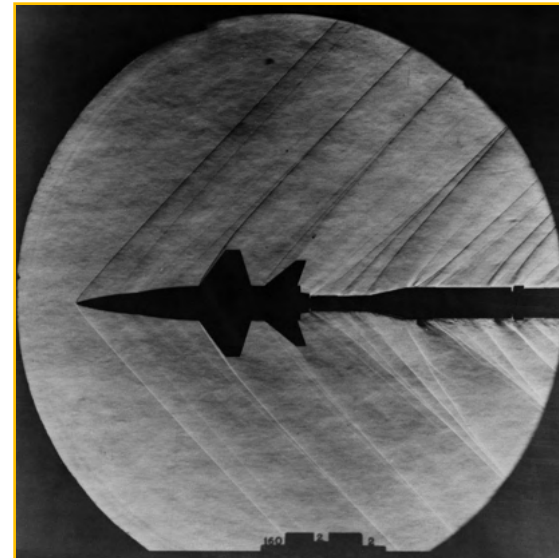
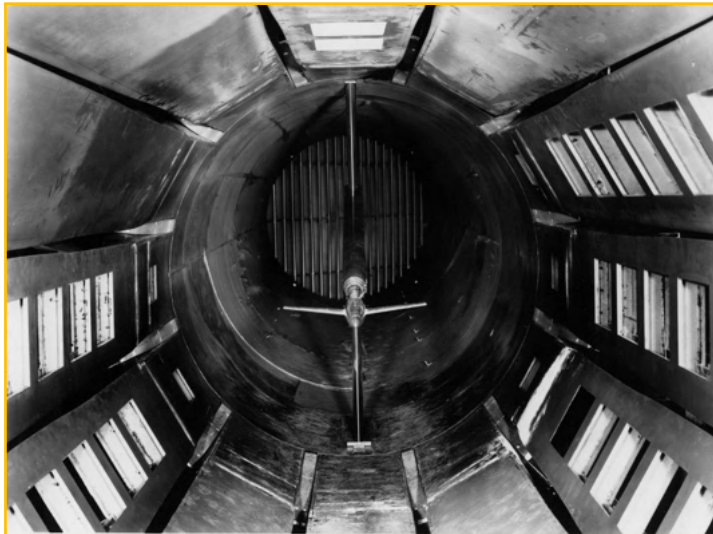
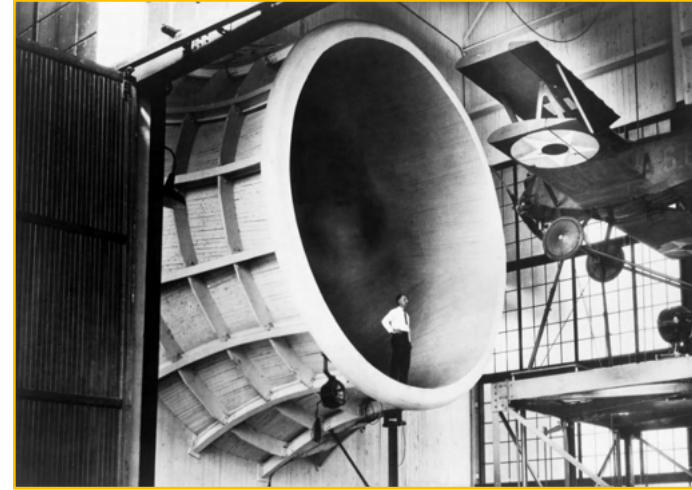
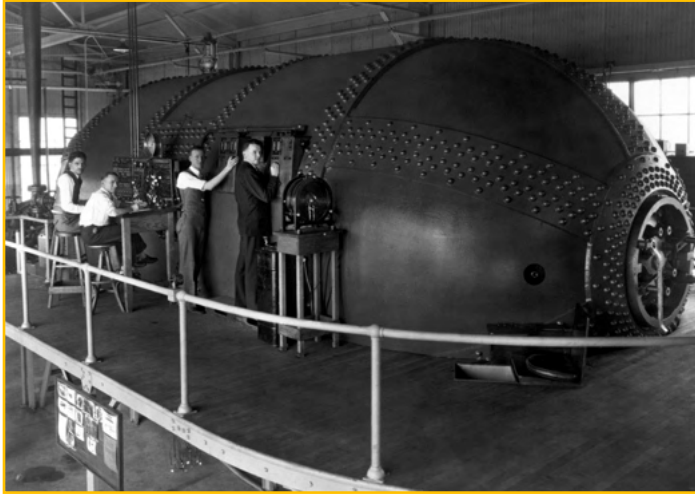


**W. HEWITT  
PHILLIPS**



**JOHN P.  
REEDER**

# World Class Facilities



# EXCELLENCE IN REPORTING

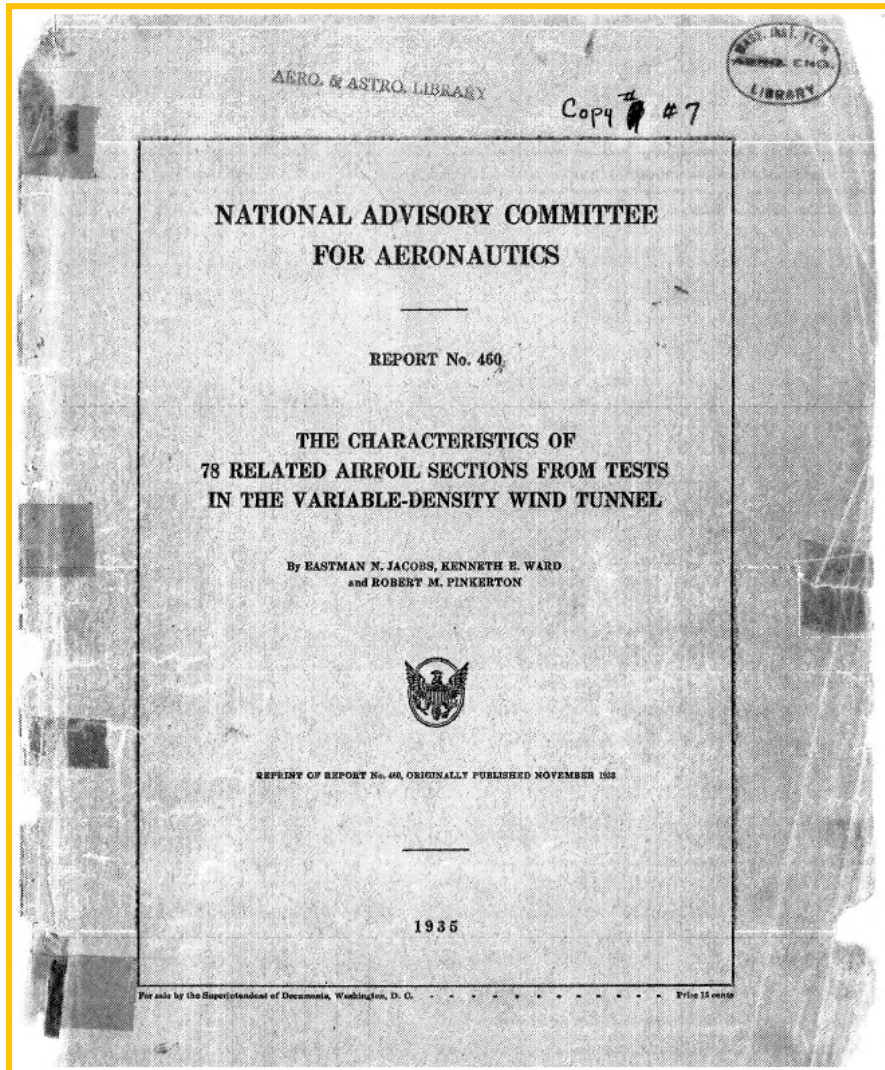


**PEARL I.  
YOUNG**



**SAMUEL  
KATZOFF**

# Excellence in Reporting



- Need for standards
- Rigid procedures
- Accuracy, clarity and quality mandatory
- Regarded as “Bibles” by many



# SHAPING THE AIRPLANE



**FRED E.  
WEICK**



**EASTMAN N.  
JACOBS**



**ROBERT T.  
JONES**

# Shaping the Airplane





# ENABLING HIGH-SPEED FLIGHT



**JOHN  
STACK**



**RICHARD T.  
WHITCOMB**



**EUGENE S.  
LOVE**



**JOHN V.  
BECKER**

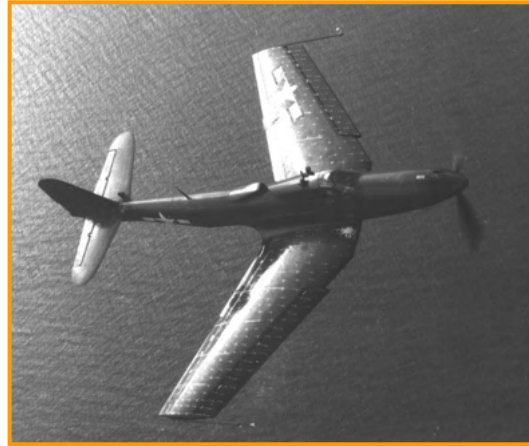
No Service

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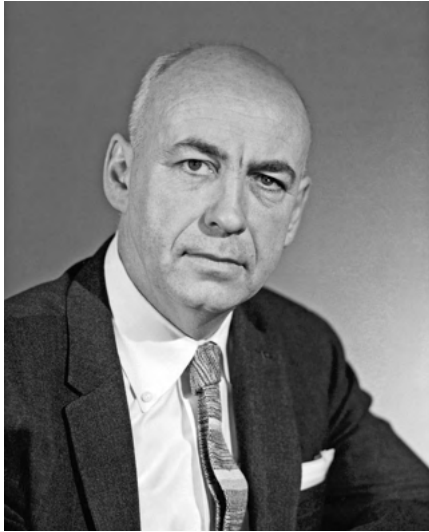


# Enabling High Speed Flight





# MEETING THE MOON CHALLENGE



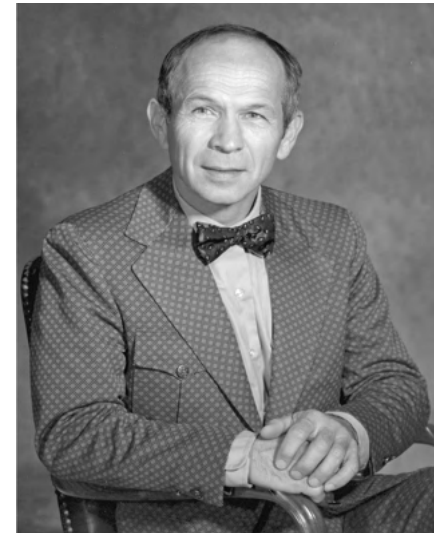
**ROBERT  
GILRUTH**



**JOHN C.  
HOUBOLT**

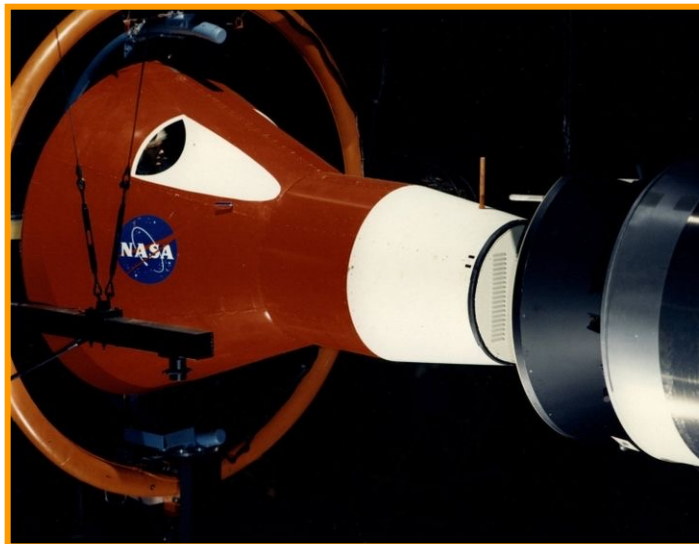
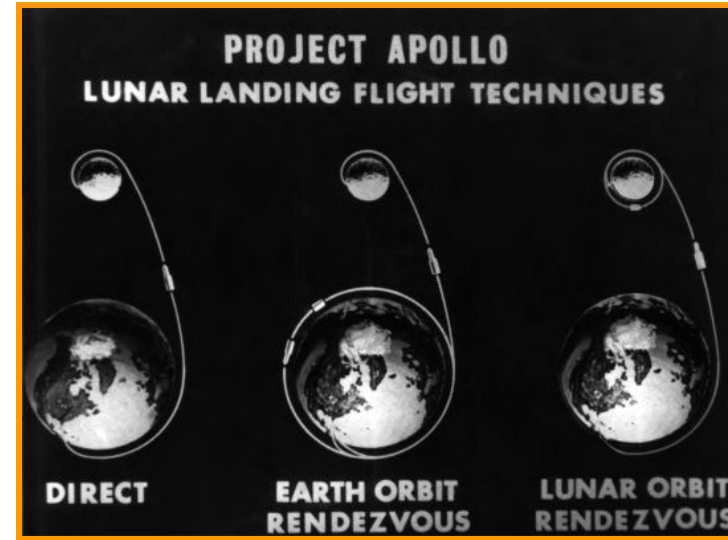


**CHRISTOPHER C.  
KRAFT**



**MAXIME A.  
FAGET**

# Meeting the Moon Challenge



# MANAGING LANGLEY



**IRA H.  
ABBOTT**



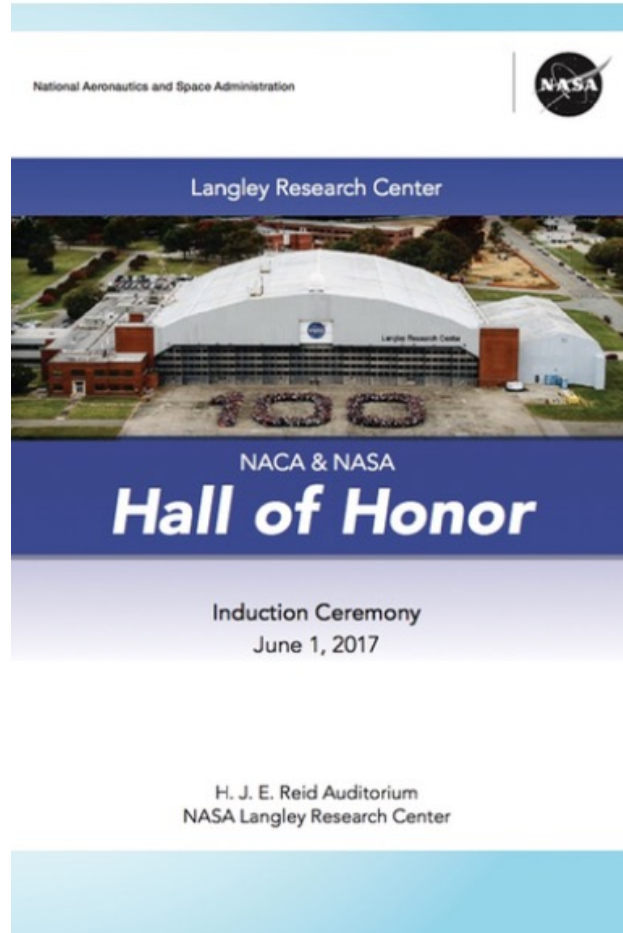
**HENRY J.  
REID**



# Managing Langley



# PROGRAM - CLASS OF 2017



Langley Research Center  
NACA & NASA

## Hall of Honor

### WELCOME

Dave Bowles

*Director, NASA Langley Research Center*

### PRESENTATION OF COLORS

*Joint Base Langley-Eustis Honor Guard*

### SINGING OF THE NATIONAL ANTHEM

*A1C Christina Bagley*

*Air Force Heritage Band*

### REMARKS

*The Honorable Donnie Tuck*

*Mayor, City of Hampton*

### REMARKS

*The Honorable Bobby Scott*

*U.S. Congressman from the 3rd District of Virginia*

### KEYNOTE SPEAKER

*Christine Darden*

*Hall of Honor Committee*

### PRESENTATION OF

**2017 NACA AND NASA LANGLEY**

**HALL OF HONOR HONOREES**

*Dave Bowles*

*Director, NASA Langley Research Center*

*Ira Abbott*

*President, Langley Alumni Association*

*Dave Throckmorton*

*Hall of Honor Committee*

### RECEPTION

*Cake and punch provided by the Langley Alumni Association*

**H. J. E. Reid Auditorium • NASA Langley Research Center**

# HALL OF HONOR

## CLASS OF 2017

- Class of 2017 Honored as Part of NASA Langley Centennial Celebration
- Eighteen (18) Honorees
- Outstanding LAA and LaRC HOH Partnership Continues
- Permanent Display Installed at LaRC

# CATEGORIES OF CONTRIBUTIONS

ATMOSPHERIC SCIENCES

COMPUTING

FLIGHT ENVIRONMENT

FACILITIES

INNOVATION

MANAGEMENT/LEADERSHIP

MARS

MILITARY AIRCRAFT

ADVANCED COMPOSITE STRUCTURES

SUPERSONICS

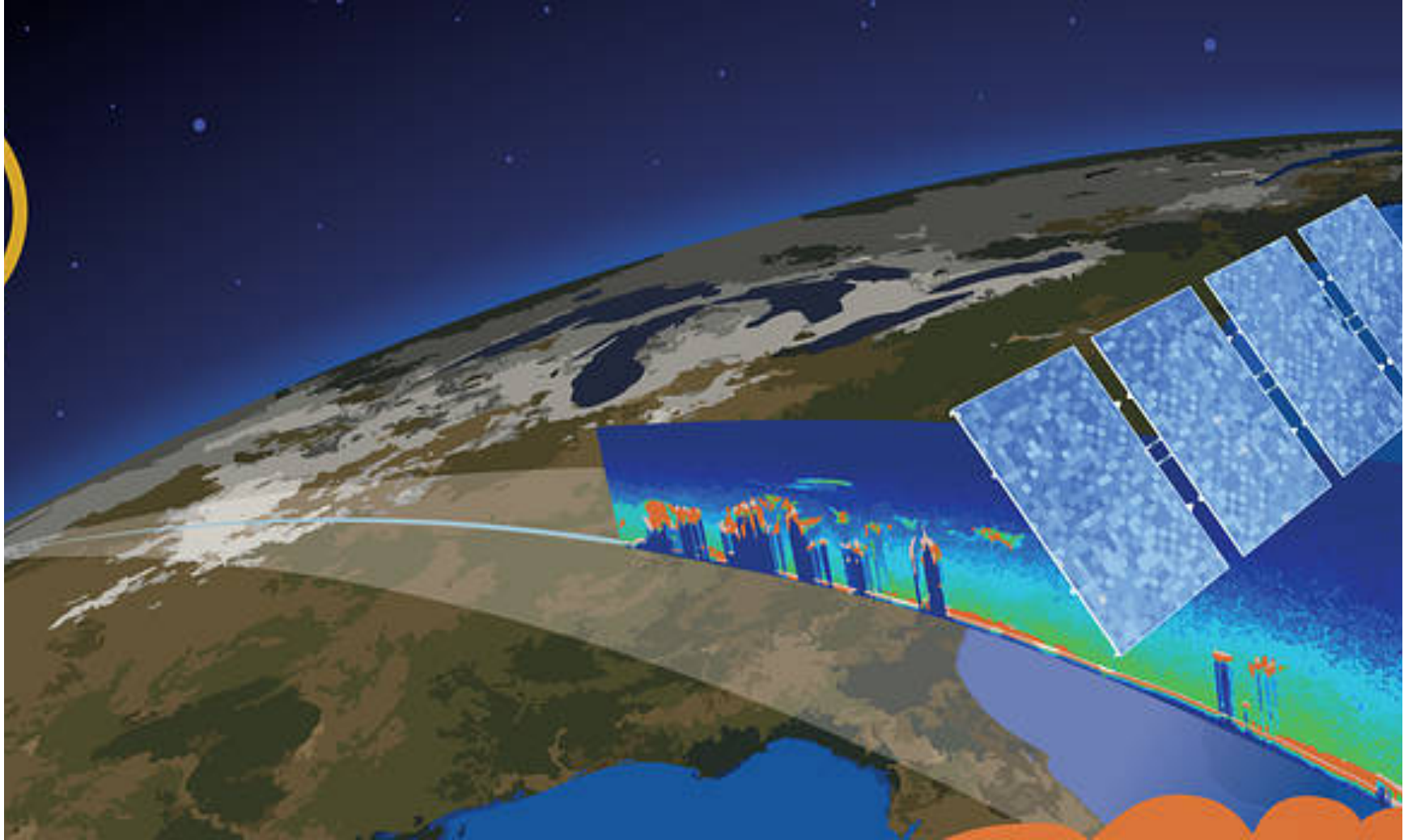
# ATMOSPHERIC SCIENCES



**DR. M. PATRICK MCCORMICK**



# ATMOSPHERIC SCIENCES





# COMPUTING



**KATHERINE  
JOHNSON**

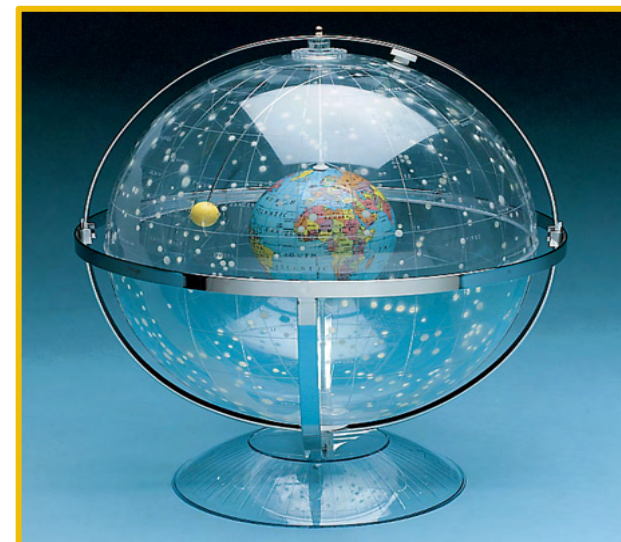
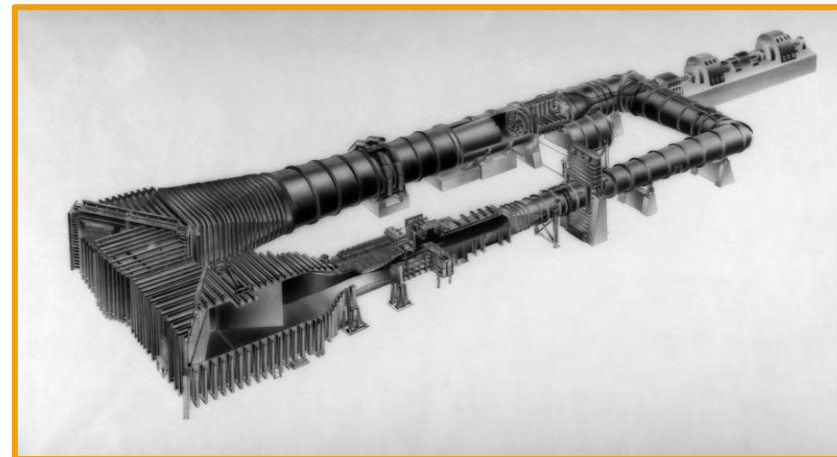


**DOROTHY  
VAUGHN**



**MARY  
JACKSON**

# COMPUTING



# FLIGHT ENVIRONMENT



**CLINTON  
BROWN**



**NORM  
CRABILL**

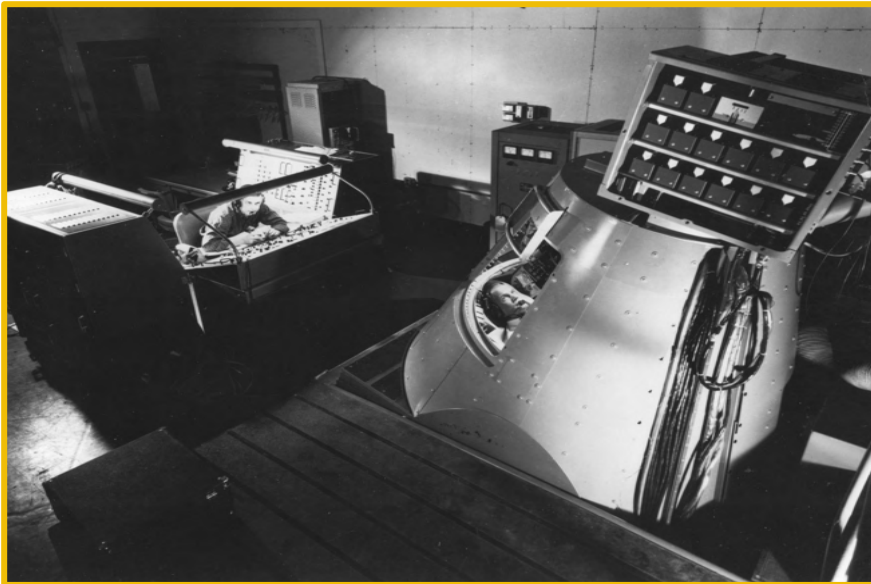
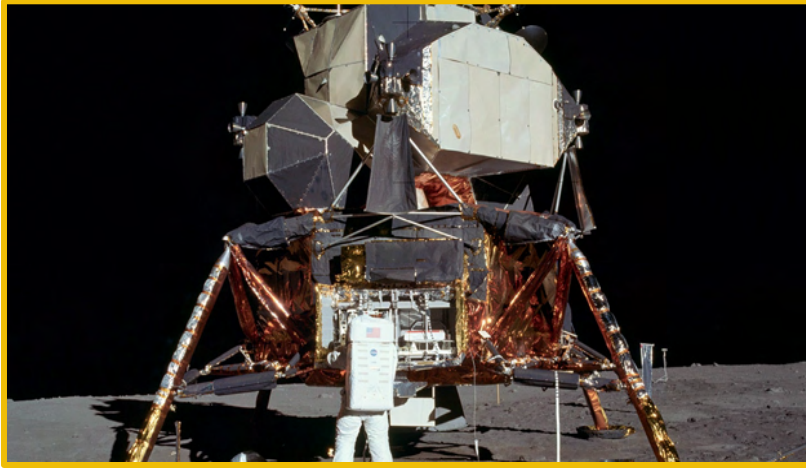


**HARVEY  
HUBBARD**



**CHARLES  
DONLAN**

# FLIGHT ENVIRONMENT





# FACILITIES



**EDDIE  
POLHAMUS**

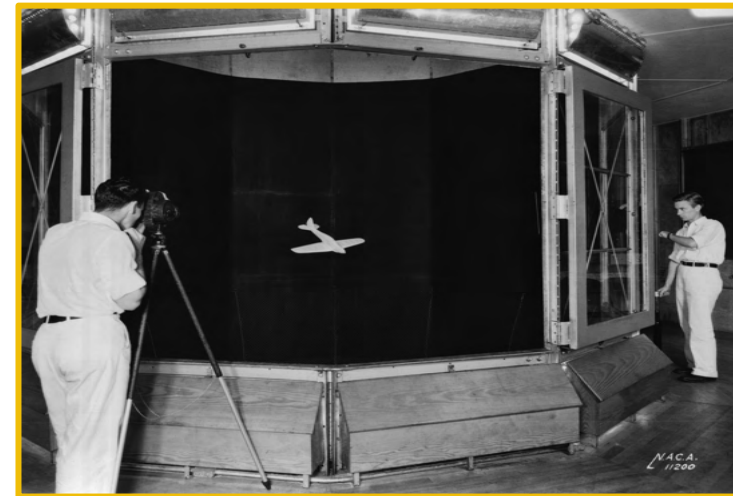
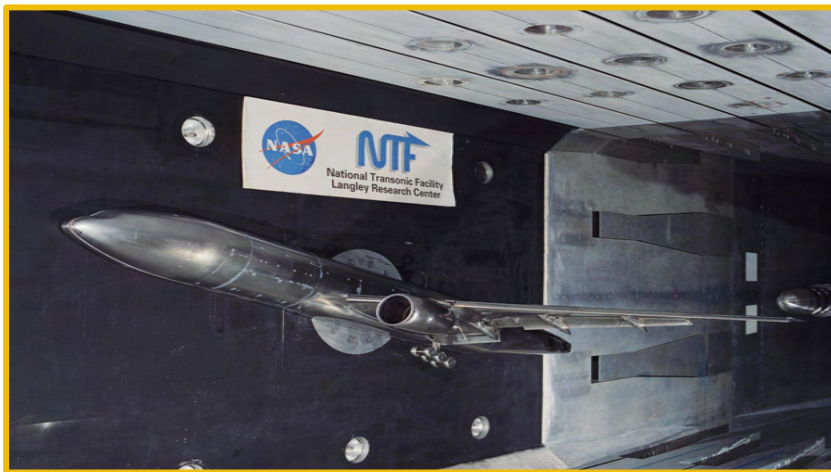
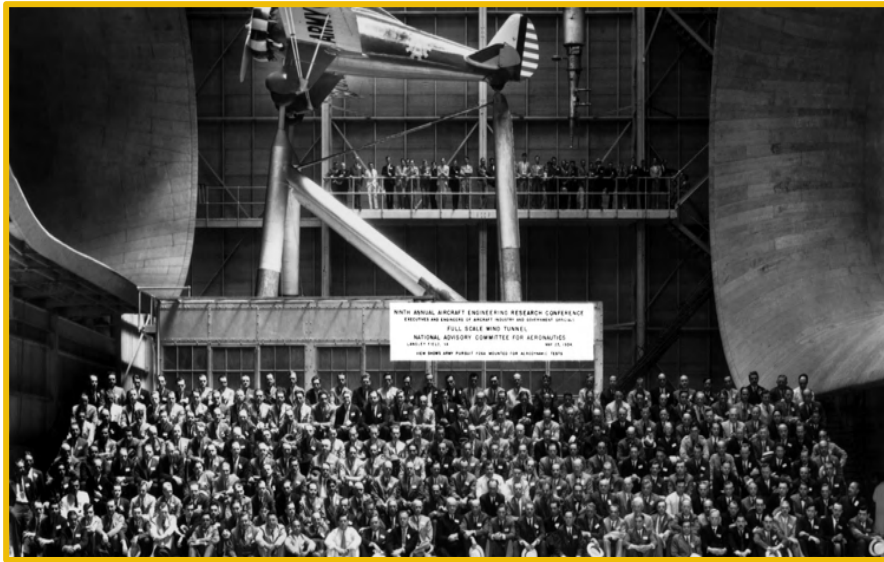


**SMITH  
DeFRANCE**



**CHARLES  
ZIMMERMAN**

# FACILITIES





# INNOVATION



**CHARLES  
ZIMMERMAN**

# INNOVATION



# MANAGEMENT / LEADERSHIP



**FLOYD  
THOMPSON**



**SMITH  
DeFRANCE**



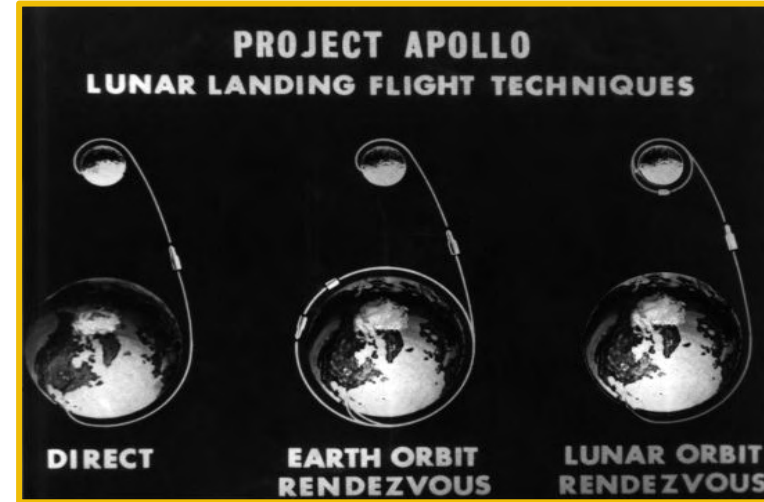
**JAMES  
MARTIN**



**CLINTON  
BROWN**



# MANAGEMENT/LEADERSHIP





# MARS



**DR. JOEL  
LeVINE**

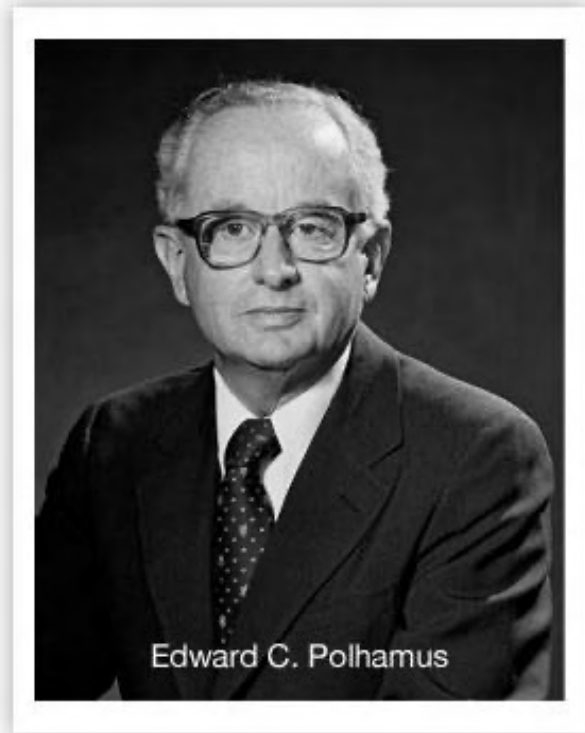


**JAMES  
MARTIN**

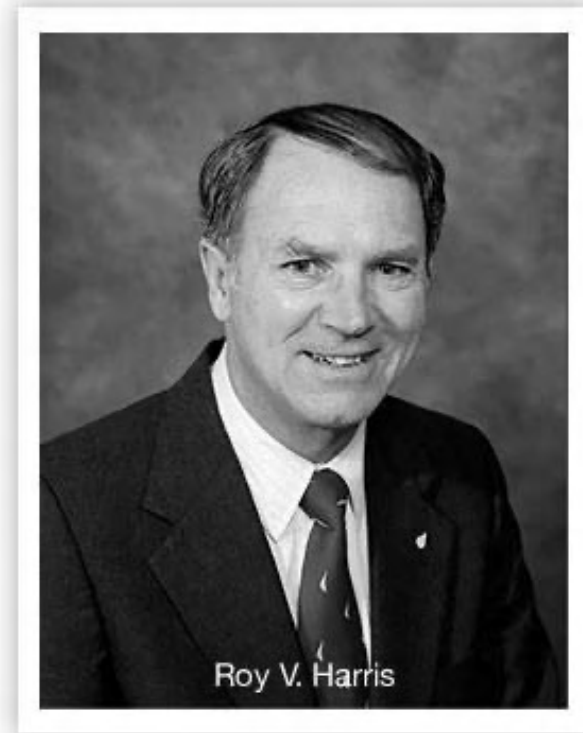
# MARS



# MILITARY AIRCRAFT



**EDWARD  
POLHAMUS**



**ROY  
HARRIS**

# MILITARY AIRCRAFT



Grumman  
F-14 Tomcat



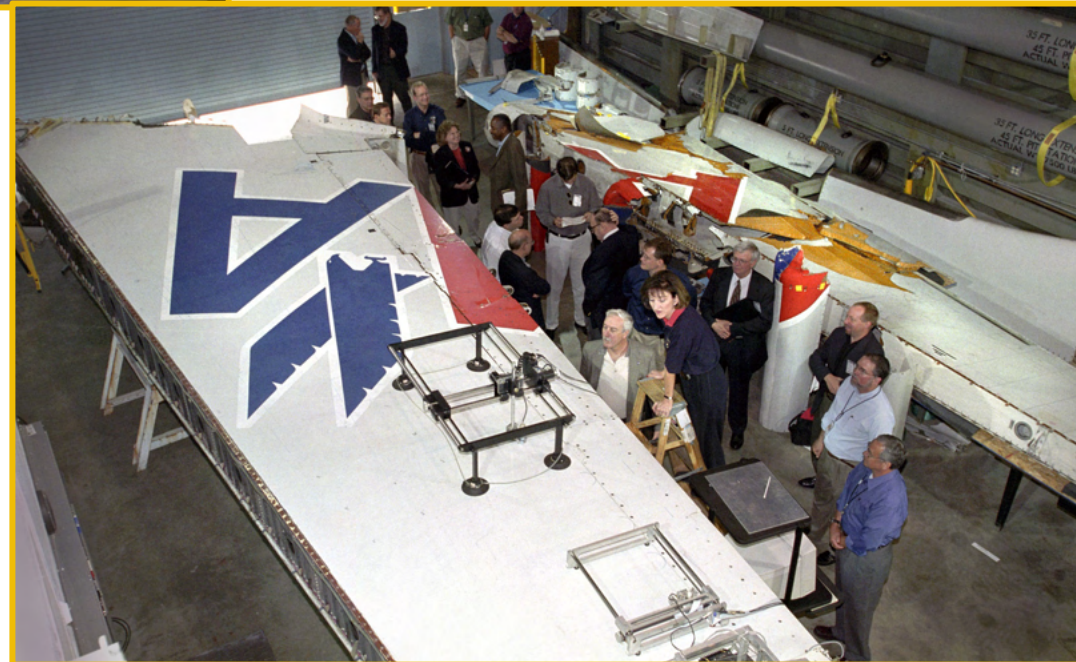


# ADVANCED COMPOSITE STRUCTURES

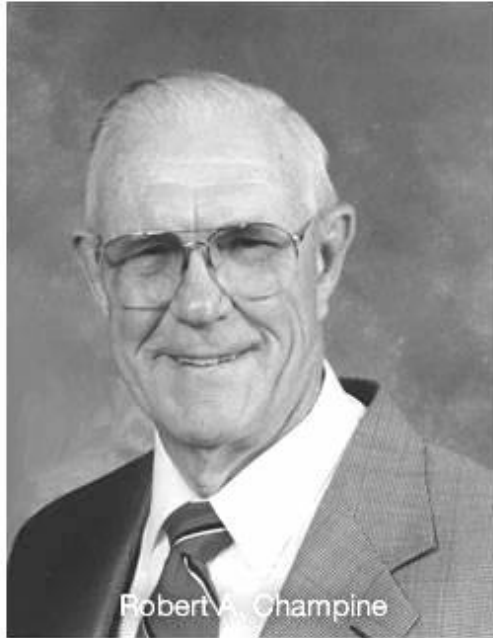


**DR. JAMES STARNES**

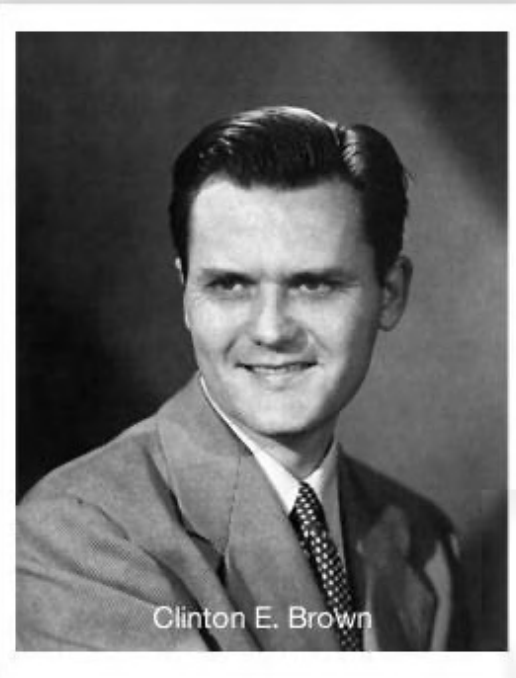
# ADVANCED COMPOSITE STRUCTURES



# SUPERSONICS



**ROBERT  
CHAMPINE**

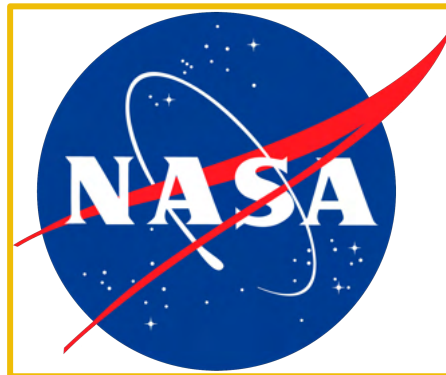
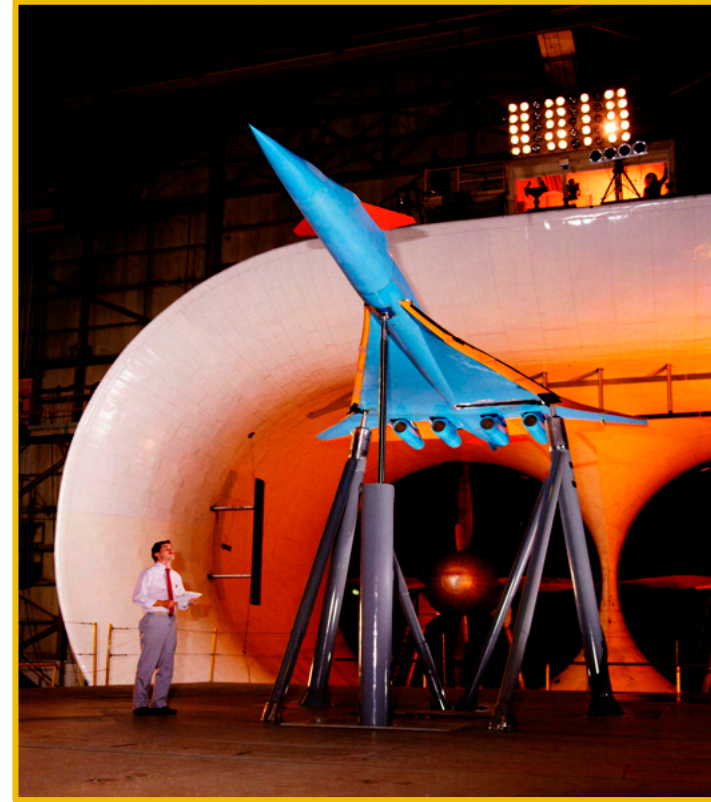


**CLINTON  
BROWN**



**CORNELIUS  
"NEIL" DRIVER**

# SUPERSONICS





# Hall of Honors Team

- Ira Abbott, LAA
- Zachary Applin, LaRC
- Rob Calloway, LAA
- Joseph Chambers, LAA
- Fay Collier, LaRC
- Christine Darden, LAA
- Michelle Ferebee, LaRC
- Bill Gilbert, LAA
- Guillermo Gonzalez, LaRC
- Gail Langevin, LaRC
- Duncan McIver, LAA
- Dave Throckmorton, LAA
- Bo Walkley, LAA
- Mike Yaskowski, Hampton
- LaRC Events and Graphics Teams
- National Institute of Aerospace

# Key Documents

- Langley Research Center NACA and NASA Hall of Honor Report for Classes of 2015 and 2017
- LaRC and LAA Agreement for HOH
- James Hansen – “Engineer in Charge”
- Joseph Chambers – “A Century at Langley”
- Programs for Induction Ceremony 2015 and Ceremony 2017
- Links to Hall of Honor on LAA and LaRC websites

# LaRC and LAA Agreement

National Aeronautics and Space Administration  
Langley Research Center  
100 NASA Road  
Hampton, VA 23681-2199



January 11, 2016

Reply to Attn of: [5]

TO: Langley Alumni Association  
FROM: OSACB Director  
SUBJECT: MOU with Langley Alumni Association and NASA Langley Research Center

**Memorandum of Understanding  
Between  
Langley Alumni Association (LAA)  
and  
NASA Langley Research Center (LaRC)  
to Develop and Support**

**The Langley Research Center NACA and NASA Hall of Honor (HOH)**

## I. Purpose of the Understanding

This Memorandum of Understanding (MoU) is established between the Langley Alumni Association (LAA) and the NASA Langley Research Center (LaRC) to develop and provide for the *Langley Research Center NACA and NASA Hall of Honor (HOH)*. The LAA has established a committee – the Langley Research Center NACA and NASA Hall of Honor Committee – to define and execute a process to recognize and pay tribute to those individuals who built exemplary careers at LaRC, persevered against the status quo when required, and achieved revolutionary scientific understanding and technological progress on the frontiers of the aerospace sciences. These individuals are designated as Honorees. The HOH will also provide an opportunity for contemporary Langley employees and visitors to the center to reflect on the contributions of these notable individuals – men and women, scientists, engineers and managers – who made profound and enduring impacts on the work of the Center and the aerospace technology leadership of our nation.

The objective of this effort is for both parties (LAA and LaRC) to work together in further developing and sustaining the Langley Research Center NACA and NASA Hall of Honor.

## II. Roles and Responsibilities

LAA and LaRC will collaborate to conduct the first induction ceremony in 2015, and a second (smaller) class will be inducted in 2017, in conjunction with the 100th anniversary of LaRC. Thereafter, new classes of Honorees will be inducted every five (5) years.

Further, LAA and LaRC will continue their support of the HOH Committee to enable planning of the details of ongoing HOH activities, and to identify and select new Honorees for induction. The selection of Honorees will be based on the criteria developed by the HOH Committee and agreed to

by LaRC. The LAA will provide general direction for the HOH activities, and LaRC will provide appropriate personnel as NASA members of the HOH Committee. HOH committee will include at least 3 members from LAA and at least 3 members from NASA LaRC (approved by Office of the Director). The LaRC Historian will serve as a member of the HOH. Final approval and continued display of information concerning Honorees is within the discretion of the LaRC Office of the Director and NASA.

Other specific roles and responsibilities are:

- LAA and LaRC will jointly develop a publicly-accessible website to display the information about the Honorees and their contributions. The HOH website will include a nomination form to enable interested individuals to submit nominations online.
- LaRC will host, with LAA support, future induction ceremonies. LaRC will prepare induction ceremony program booklets and invitations, and web-site content development and maintenance. LAA will provide any items or mementos prepared for Honorees' family members, and refreshments at the reception following the induction ceremony.
- LaRC will provide a suitable location for the permanent display of the Honorees photographs and citations of accomplishments.
- LaRC will work with LAA to contact Honorees and/or their families in advance of the induction ceremonies to ensure Honoree/family participation in the induction ceremony.

## III. Program Administration

This document is not a commitment of NASA resources. There will be no transfer of funds between the parties under this understanding, and each party will fund its own participation. All activities under or pursuant to this understanding are subject to the availability of funds, and no provision of this understanding shall be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act. (31 U.S.C. § 1341).

Neither the LAA nor NASA is liable for any potential damage that may result from cancellation of the program due to funding issues, mission priorities, or failures of equipment, facilities, technical information or services. Each party assumes liability for its own risks related to activities conducted at the workshop.

No NASA endorsement of any product, service or enterprise shall be made or implied based upon inclusion of Honorees in the HOH.

Duncan E. Melver  
48554  
151/MTFerebee:mlr 1-11-16 (45617)

Richard R. Antcliff  
43000

# Selection Criteria

- A minimum of ten (10) years' work for NACA and/or NASA at the Langley Research Center. Civil servants and on/near site contractor nominees shall be eligible.
- The nominees shall have made sustained contributions to and had far-reaching influence on the leadership, direction, mission, and capabilities of the NACA Langley Memorial Aeronautical Laboratory and the NASA Langley Research Center.
- The nominee must have made unprecedented and fundamental contributions to the advancement of either a technical and/or science field with significant impacts to the United States aerospace community for commercial or military aircraft, spacecraft, or atmospheric sciences.
- The nominee must be fully retired and no longer engaged with LaRC as a contractor or consultant



# Nomination Application - Download from Website

## <https://www.larc alumni.org/nomination-form/>



### NACA and NASA Langley Hall of Honor Nomination Form for Class of 2017

#### Nominees

- Must have worked at NACA or NASA Langley for at least 10 years.
- Must no longer be actively working for NASA Langley as a civil service or contract employee.
- Must have made a significant contribution in or in support of an aerospace or atmospheric science field during their time of employment at the Center.

Nominations are due by 12:00 noon, Monday, January 2, 2017, and must be e-mailed to [info@LaRCAlumni.org](mailto:info@LaRCAlumni.org)

I/We nominate \_\_\_\_\_

for induction into the Langley Research Center NACA and NASA Hall of Honor.

If living, nominee's address \_\_\_\_\_

Phone \_\_\_\_\_ E-mail address \_\_\_\_\_

If deceased, nominee's date of death \_\_\_\_\_

Name of nearest living relative \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ E-mail address \_\_\_\_\_

Relationship to nominee \_\_\_\_\_

Dates of service at NACA or NASA Langley Research Center

From \_\_\_\_\_ To \_\_\_\_\_

Nomination Submitted by \_\_\_\_\_

*Proposing individual or organization*

Address \_\_\_\_\_

\_\_\_\_\_

Phone \_\_\_\_\_ E-mail address \_\_\_\_\_

Date submitted \_\_\_\_\_

*Please see complete nomination details on last page of this document.*

Please provide a synopsis of the nominee's technical and/or management contributions to the NACA or NASA Langley Research Center on the Basis for Nomination page following. **Limited 1 page, 11-point font minimum. Additional pages will not be considered and will be discarded.**

# Timeline

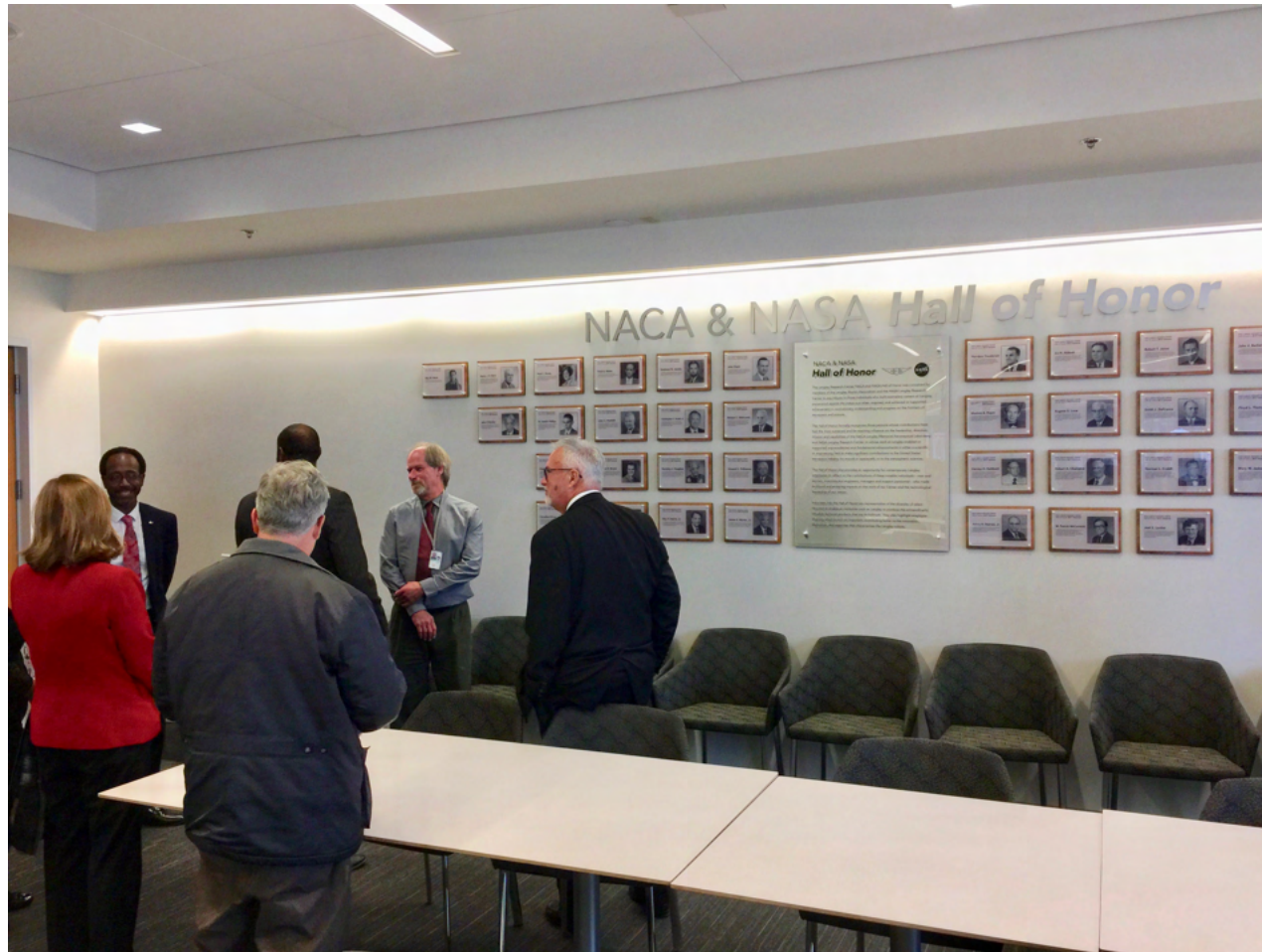
## LaRC Hall of Honor - Timeline for 2017 Induction

[illegible]

# Next Hall of Honor Class

- LAA and LaRC Agreement Suggests Next Class 2022
- Application and Instructions on LAA Website
- For Information Contact - [info@larcalumni.org](mailto:info@larcalumni.org)
- Expect About Eighteen (18) Honorees
- Outstanding LAA and LaRC HOH Partnership Continues
- LaRC Permanent Display Can Accomodate

# The Langley Research Center NACA and NASA Hall of Honor Display







Thanks  
and  
Questions

Back Up Slides



# Hampton and Langley History



- US Created National Advisory Committee for Aeronautics - 1915
- Hampton, Virginia Selected as Site for NACA Laboratory – 1917
- NACA Langley Memorial Laboratory Dedicated – 1917
- Significant Aerospace Technology Contributions – 1917 – 1958
- NASA - National Aeronautics and Space Administration – 1958
- Renamed NASA Langley Research Center – 1958
- Contributions Continuing through 2018 and Beyond