May 16, 1989
1:00 p.m.
Program

Prelude ............................................. Musical Selections by the Tactical Air Command Band
                                             Langley Air Force Base
Master of Ceremonies ................................... Richard H. Petersen
                                             Director
Presentation Of Colors ..................................... Langley Air Force Base
                                             Honor Guard
The National Anthem ..................................... Tactical Air Command Band
Remarks and Introduction .................................. Richard H. Petersen
Address .................................................. James C. Fletcher
                                             Former Administrator
Presentation of Awards ..................................... James C. Fletcher
                                             Richard H. Petersen
Citations read by ....................................... Paul F. Holloway
                                             Deputy Director

Langley Honor Awards

Special Achievement for Group Accomplishments
Outstanding Volunteer Service
Public Service
H.J.E. Reid

NASA Honor Awards

Public Service Group Achievement
Group Achievement
Public Service Medal
Exceptional Service Medal
Equal Opportunity Medal
Exceptional Engineering Achievement Medal
Exceptional Scientific Achievement Medal
Outstanding Leadership Medal

Closing Remarks ....................................... Richard H. Petersen
Refreshments
Langley Research Center Honor Awards

Special Achievement Awards for Group Accomplishments recognize groups and individuals for performance substantially beyond expectations on a specific assignment or job function. The service must be in the public interest and connected with, or related to, official employment.
Special Achievement Awards for Group Accomplishments

**Acoustic Sensing Research Team**
Accepted by John S. Preisser

For outstanding technical contributions in the field of aeroacoustics and signal processing related to design of future aircraft.

**Advanced Processing of High Performance Composites Team**
Accepted by Janice Y. Smith

For meeting a national need in development of advanced composite material systems and innovative processes for future advanced transport and fighter aircraft.
Special Achievement Awards for Group Accomplishments

Aeroassist Flight Experiment Aerodynamic/Aerothermodynamic Data Base Team
Accepted by William L. Wells

For development of a comprehensive experimental/computational aerodynamic/aerothermodynamic database crucial to development of the Aeroassist Flight Experiment vehicle.

Automated Structural Assembly Laboratory Development Team
Accepted by Johnny W. Allred

For exceptional contributions toward development of the Automated Structural Assembly Laboratory.
Special Achievement Awards for Group Accomplishments

Earth Observing System (Eos) Announcement of Opportunity (AO) Proposal Evaluation Team
Accepted by Leon V. Taylor

For significant accomplishments and outstanding contributions to the Agency’s mission in the technical and management evaluation of proposals received in response to the Earth Observing System Announcement of Opportunity.

8-Foot Transonic Pressure Tunnel Reconfiguration Team
Accepted by Thomas L. Smith

For exceptional accomplishment in reconfiguration of the 8-Foot Transonic Pressure Tunnel to restore its original test capability upon completion of the Laminar Flow Control Experiment.
Special Achievement Awards for Group Accomplishments

Evaluation Information Center Team
Accepted by Frederick L. Moore

For outstanding service in support of the application of personal computing at NASA Langley Research Center.

HALOE Instrument Design, Development, and Performance Verification Team
Accepted by James L. Raper

For outstanding efforts in design, development, and verification of the flight-worthy performance of the HALOE Instrument.
Special Achievement Awards for Group Accomplishments

HALOE Instrument Refurbishment Team
Accepted by Dave E. Williams

For technical excellence in providing design solutions for improved performance and precise workmanship in reassembling the HALOE Flight Instrument that is capable of meeting all scientific objectives.

Hypersonic Boundary-Layer Transition Team
Accepted by Dennis M. Bushnell

For significantly enhancing understanding of hypersonic transition flow physics and for developing and demonstrating hypersonic transition boundary-layer prediction capability for design of hypersonic airbreathing vehicles, in particular, the National Aero-Space Plane.
Special Achievement Awards for Group Accomplishments

Integrated Multidisciplinary Analysis Team
Accepted by Paul A. Cooper

For outstanding accomplishment in developing a unique, integrated analysis capability and for applying the Integrated Multidisciplinary Analysis Tool capability to a number of major NASA space programs.

LaRC Supercomputer Augmentation Team
Accepted by Mickey G. Rowe

For establishing the contract for an advanced Supercomputer Augmentation ahead of schedule, $6 million below the originally proposed price, and without vendor protests in a highly competitive environment.
Special Achievement Awards for Group Accomplishments

Langley Research Center
Telecommunications System (LaTS) Project Team

Accepted by Forrest L. Dickinson

For exceptional performance and technical excellence in planning and implementing the Langley Research Center Telecommunications System within budget and schedule.

Modifications to Aircraft Landing Dynamics Facility for Full-Scale Testing of Airfoil Performance in Simulated Rain Team

Accepted by John T. Taylor

For exceptional contributions to aeronautical research through design, construction, and checkout of the Aircraft Landing Dynamics Facility for full-scale testing of airfoil performance in simulated rain.
Special Achievement Awards for Group Accomplishments

National Transonic Facility Enhancement Team
Accepted by Jeffrey S. Hill

For design, implementation, and checkout of enhancements to the National Transonic Facility, which greatly improved data quality and tunnel operating efficiency.

Ozone Trends Study Group
Accepted by M. Patrick McCormick

For outstanding achievement in the use of Stratospheric Aerosol and Gas Experiment I-II ozone data to investigate global trends and for major contributions to the NASA/World Meteorological Organization Ozone Trends study.
Special Achievement Awards for Group Accomplishments

Shock-On-Lip Interference Heating Team
Accepted by Pramote Dechaumphai

For development of an experimental and analytical data base for design of the cowl leading edges for the National Aero-Space Plane subjected to shock/shock interference heating.

SILTS Anomaly Resolution and Data Retrieval Team
Accepted by Reginald M. Holloway

For outstanding, investigative assessment of SILTS experiment operation on STS 61-C, resulting in full understanding of hardware operation anomalies and generation of the first in situ infrared imagery of the Shuttle Orbiter in flight.
Special Achievement Awards for Group Accomplishments

SMART Geometry System Development Team
Accepted by Mark L. McMillin

For development and implementation of the Solid Modeling Aerospace Research Tool providing a link between the space transportation systems analysis capability and state-of-the-art structural analysis and computational fluid dynamics analysis techniques.

Supercomputing Network Subsystem (SNS) Implementation Team
Accepted by Richard D. Hofler

For outstanding achievement in implementing a new Supercomputing Facility in record time.
Special Achievement Awards for Group Accomplishments

Supersonic-Wing Leading-Edge Vortex Flow Research Team
Accepted by David S. Miller

For highly innovative and dedicated research, combining both experimental and computational studies, which significantly enhanced understanding of and ability to predict supersonic-wing leading-edge vortex flows.

Test Technique Demonstrator Aerothermodynamic Team
Accepted by Thomas J. Horvath

For development of unique, national experimental/computational aerothermodynamic testing techniques for slender, airbreathing transatmospheric vehicle concepts.
Special Achievement Awards for Group Accomplishments

Transonic Wall Interference Assessment/Correction Methodology Team
Accepted by Perry A. Newman

For outstanding contributions to understanding of transonic wind-tunnel-wall interference and the provision of computer codes that permit accurate assessment and correction of wind-tunnel data for wall interference effects.

Wing Modifications for Spin Resistance Research Team
Accepted by Joseph R. Chambers

For outstanding contributions in development of a wing leading-edge configuration which significantly increases the inherent spin resistance of general aviation aircraft and for development of criteria for evaluation of spin resistance.
Outstanding Volunteer Service Awards

A number of our employees are engaged in numerous voluntary efforts in the local communities, serving with community organizations and providing leadership to various projects aimed at improving the quality of life for all. These Federal employees, who devote their off-duty time and talents to such voluntary efforts, deserve recognition and appreciation for their exemplary community service.
Outstanding Volunteer Service Awards

E. Thomas Hall, Jr.
For outstanding volunteer service in supporting the Hampton area fire and rescue squads and local community medical and youth activities.

James S. Harvey
For distinguished community service in sharing of time, talents, and knowledge with youth and adults on local and state levels.

Carl E. Horne
For dedicated and unselfish giving of time in a tireless manner and for being a steadfast friend to all who work for youth development through Scouting.
Public Service Awards

An award given to non-NASA citizens and organizations to show appreciation for contributions made to Langley Research Center in the accomplishment of its missions, functions, services, or operations as a public service.
Public Service Awards

P. Stephen Barna
P.S. Barna and Associates

For outstanding service to Langley Research Center in development of facilities having high quality flow and acoustical characteristics.

Walter L. Darden
TRESP Associates, Inc.

For outstanding performance in management of NASA's Summer High School Apprenticeship Research Program at Langley Research Center.

Gary G. Gibson
Planning Research Corporation (PRC) Systems Services

For development and timely implementation of innovative analytical techniques to optimize orbit characteristics, sampling strategies, and mission designs for achieving scientific objectives of NASA's Earth observation satellite experiments.

William H. Hunt
Wyle Laboratories

For outstanding scientific achievement in development of long-term stratospheric aerosol climatology using the LaRC 48-inch ground-based and 14-inch airborne lidar systems.
H.J.E. Reid Award

This award recognizes the outstanding scientific or engineering paper written by a Langley Research Center employee or group of employees.
H.J.E. Reid Award

H.J.E. Reid Award to

Allan J. Zuckerwar
Roger W. Meredith

The Outstanding Paper entitled

Low Frequency Absorption of Sound in Air
NASA Honor Awards

The National Aeronautics and Space Administration bestows singular honor in recognition of achievements by the following groups and individuals:
NASA Honor Awards
Public Service Group Achievement Award

Scout Project Team
LTV Missiles and Electronics Group
Missiles Division, Dallas, Texas

Accepted by Harold E. Collins

For successful processing and launch of four Scout vehicles within a 6-month period from two remote launch sites.
NASA Honor Awards
Group Achievement Awards

Advanced Aircraft Technology
Aerodynamic Design Team
Accepted by William J. Small

For outstanding technical contributions in the field of aerodynamics related to the design of future advanced aircraft technology.

B-1B Engine Nozzle Sonic Fatigue Team
Accepted by John M. Seiner

For identification of the origin of sonic fatigue loads related to the B-1B aircraft twin-engine installation and development of methods for acoustic loads reduction.
NASA Honor Awards
Group Achievement Awards

CAP-TSD Development Team
Accepted by John T. Batina
For development and validation of a computational method for the transonic aeroelastic analysis of complete aircraft configurations.

F-106B Vortex Flap Design and Fabrication Team
Accepted by Joseph D. Pride, Jr.
For outstanding efforts in mechanical design, fabrication, quality assurance, instrumentation installation/integration, and flight testing of the F-106B Vortex Flap System.
NASA Honor Awards
Group Achievement Awards

High-Speed Transition/Quiet
Tunnel Team

Accepted by Ivan E. Beckwith

For exceptional contributions to development of a unique, low-noise wind tunnel and to understanding and prediction of high-speed boundary-layer transition phenomena.

Mobile Transporter Space Station
Truss Assembly Team

Accepted by Harold G. Bush

For design, development, and evaluation of a Mobile Transporter for assembly of the Space Station truss structure.
NASA Honor Awards
Group Achievement Awards

Scout Project Team
Accepted by Jon L. Van Cleave

For successful processing and launch of four Scout vehicles within a 6-month period from two remote launch sites.

Space Station Systems Engineering Analysis Team
Accepted by Leonard J. DeRyder, Jr.

For exceptional performance in development of computer-aided, multidisciplinary systems analysis techniques, and innovative application of these techniques to key Agency studies.
Public Service Medal
Robert G. Voigt

In recognition of leadership in developing and fostering the creative scientific environment in Applied Mathematics and Computer Science.
Exceptional Service Medal
H. Lee Beach, Jr.

For significant contributions and outstanding leadership in the field of high-speed propulsion technology.
Exceptional Service Medal
Roland L. Bowles

For exceptional leadership and technical contributions in development and conduct of the Airborne Wind Shear Program.
Exceptional Service Medal
Kenneth N. Cole

For dedicated service and demonstrated excellence in providing operational support and facility maintenance necessary to effective accomplishment of the Center's research programs.
Exceptional Service Medal
Delma C. Freeman, Jr.

For directing a systems analysis activity supporting the National Space Transportation Program with results that have had significant impact on future direction of this national activity.
Exceptional Service Medal
Joseph B. Talbot

For leading the Space Station Phased Program Task Force and the Space Station Heavy-Lift Launch Vehicle Impact Task Force which resulted in significant advances in definition of the space station at the systems level.
Exceptional Service Medal
Maywood L. Wilson

For outstanding contributions in materials processing, development, and applications of advanced pultrusion techniques.
Equal Opportunity Medal
Rosa C. Webster

For personal dedication and effective implementation of the Equal Opportunity Program at Langley Research Center.
Exceptional Engineering
Achievement Medal
Bruce D. Fisher

For outstanding project engineering and team leadership contributions to identification of severe storm hazards, including lightning, to the operation of aircraft and space launch vehicles.
Exceptional Engineering Achievement Medal
Felix L. Pitts

For conceiving, fabricating, and operating instrumentation which has acquired high quality direct-strike lightning data for aircraft flying in and around thunderstorms, interpreting the data, and being instrumental in defining significant upgrades to the national standards by which critical aircraft systems are qualified for flight.
Exceptional Engineering
Achievement Medal
Leo D. Staton

For fundamental, theoretical, and experimental developments in Doppler radar technology and sustained advocacy for the need of a national radar technology program for avoidance of wind shear air hazard effects.
Exceptional Engineering
Achievement Medal

James L. Thomas

For major contributions in computational aerodynamics research leading to significant improvements in the ability to predict flow fields about complex aerospace configurations of importance to the Nation's civil and military aeronautics programs.
Exceptional Engineering Achievement Medal

Allan R. Wieting

For development of an integrated fluid-thermal-structural analysis capability with application to the structural design of hypersonic vehicles.
Exceptional Scientific Achievement Medal
Bruce R. Barkstrom

For outstanding contributions to atmospheric science through developments in radiative transfer theory and through analysis of data from the Earth Radiation Budget Experiment.
Exceptional Scientific Achievement Medal
Robert D. Cess

For outstanding contributions to understanding the Earth's climate system through development of climate theories and application of satellite radiation budget measurements.
Exceptional Scientific Achievement Medal

Richard N. Green

For outstanding contributions in development of mathematical methods for satellite data inversion and application of those methods to increase understanding of the Earth’s radiation budget.
Exceptional Scientific Achievement Medal

Edwin F. Harrison

For outstanding contributions to understanding of the diurnal variability of clouds and Earth radiation budget through analysis and interpretation of satellite data.
Exceptional Scientific Achievement Medal

Frederick B. House

For outstanding contributions in the use of satellite remote sensing to advance knowledge of the Earth's radiation budget and the stratosphere.
Exceptional Scientific Achievement Medal
Casimir J. Jachimowski

For achieving a scientific breakthrough in the area of atmospheric and combustion chemistry of major national significance.
Exceptional Scientific Achievement Medal
Veerabhadran Ramanathan

For outstanding contributions to understanding of clouds in the Earth's climate system through development of the concept of cloud forcing and validation of Earth Radiation Budget Experiment data.
Exceptional Scientific Achievement Medal
John M. Seiner

For fundamental contributions to the understanding of supersonic jet aerodynamics and acoustics.
Exceptional Scientific Achievement Medal
G. Louis Smith

For outstanding contributions to the understanding of Earth's radiation budget and its impact on climate.
Outstanding Leadership Medal
Frank Allario

For outstanding leadership in the establishment of NASA's solid state laser research program, which has resulted in substantial technology contributions in a shorter period of time than is usually required.