2000

ROTARY NATIONAL AWARD FOR SPACE ACHIEVEMENT

1941

High Flight

Oh! I have slipped the surly bonds of Earth

And danced the skies on laughter-silvered wings;

Sunward I've climbed, and joined the tumbling mirth

Of sun-split clouds, — and done a hundred things

You have not dreamed of — wheeled and soared and swung

High in the sunlit silence. Hov'ring there,

I've chased the shouting wind along, and flung

My eager craft through footless halls of air...

Up, up the long, delirious, burning blue

I've topped the wind-swept heights with easy grace

Where never lark nor eagle flew —

And, while with silent lifting mind I've trod

The high untrespassed sanctity of space,

Put out my hand, and touched the face of God.

John Gillespie Magee, Jr.
1922-1941


JOHN YOUNG

CAPT. JOHN

The only astronaut to fly in the Gemini, Apollo and Shuttle projects, John Young stands apart among NASA's many heroes. He is the embodiment of the "astronaut's astronaut" – outstanding pilot, gifted engineer and respected leader.

John Young is the only astronaut to have piloted seven launches – six from the Earth and one from the Moon. He has logged 835 hours in space, including 71 hours on the lunar surface.

For 37 years, Capt. Young's steady, professional hand has helped to guide policies at JSC. He has played a significant part in NASA's history since 1962 and has left his mark on the future of human space endeavor.

John Watts Young was born September 24, 1930, in San Francisco. His father was a civil engineer for a concrete company and former Navy commander. The family moved several times in his youth, finally settling in Orlando, Florida, where Young graduated from high school in 1948.

Capt. Young's interest in aviation and space began as a small child. He maintained an interest in aircraft, designing models and testing them. Located near several air bases, Capt. Young remembers the family's home in Orlando provided ample opportunity to watch the airplanes overhead as he built models of them on the ground.

Capt. Young's academic performance and high exam scores on mathematics and language earned him a Navy Reserve Officer Training Corps scholarship. The desire to stay close to home, along with his father's suggestion that it was the best, led Capt. Young to the Georgia Institute of Technology in 1948. He studied aeronautical engineering, graduated second in his major and received his commission as an ensign in the Navy in 1952.

In June 1953, Capt. Young received orders to report to flight school at the Naval Basic Air Training Command at Pensacola Naval Air Station, Florida. He received his wings the following June and went on to the Navy Advanced Training School at the Corpus Christi Naval Air Station. Capt. Young's first active duty assignment as a naval aviator was in Jacksonville, Florida, where he flew TF-9F Cougars and F-8 Crusaders.

In 1959, Capt. Young reported to the Naval Air Test Center

1952

John Young receives aeronautical engineering degree with high honors from Georgia Institute of Technology.

1952–1953

Young serves in the United States Navy on the destroyer USS LAWS (DD-558).

1953–1957

Young flies Cougars and Crusaders for the 103rd Fighter Squadron.

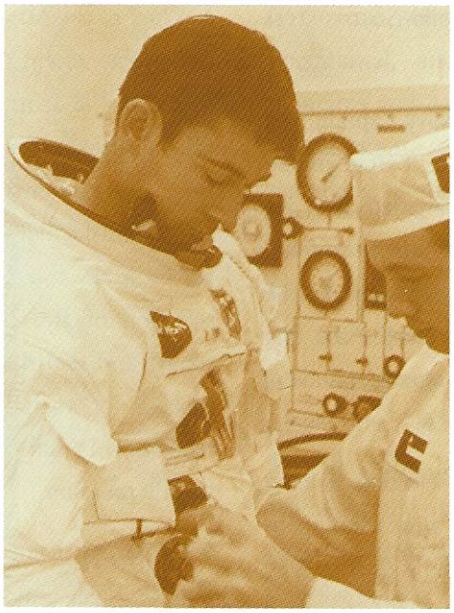
1959–1962

Young trains at the U.S. Navy Test Pilot School and is assigned to the Naval Air Test Center. He was maintenance officer of the 143rd Phantom Fighter Squadron.

W YOUNG

National Space Trophy Recipient

at Patuxent River, Maryland, for Naval Test Pilot school. Capt. Young set several records during that time flying F-4 Phantoms in "Project High Jump," including the world time-to-climb record of 3,000 meters in 34.523 seconds and 25,000 meters in 230.44 seconds.



John Young heeded NASA's call for a second class of astronauts in April 1962 and sent in his application. After arduous tests, NASA selected Capt. Young and eight other pilots for the second astronaut class, known as the "Next Nine."

While waiting for his first mission crew assignment, Capt. Young became a technical expert on environmental control systems and personal and survival equipment. He began training for the Gemini III mission, the first of the Gemini project. Capt. Young's skills as a test pilot would serve him time and again as he and Commander Virgil I. "Gus" Grissom tested the new spacecraft successfully. In 1966, a year later, Capt. Young commanded the Gemini X flight. He and Michael Collins became the first crew to execute a double rendezvous in space.

During the Apollo 10 mission in 1969, Capt. Young orbited the Moon in the command module as Thomas Stafford and Eugene Cernan conducted the final dress rehearsal for the lunar landing.

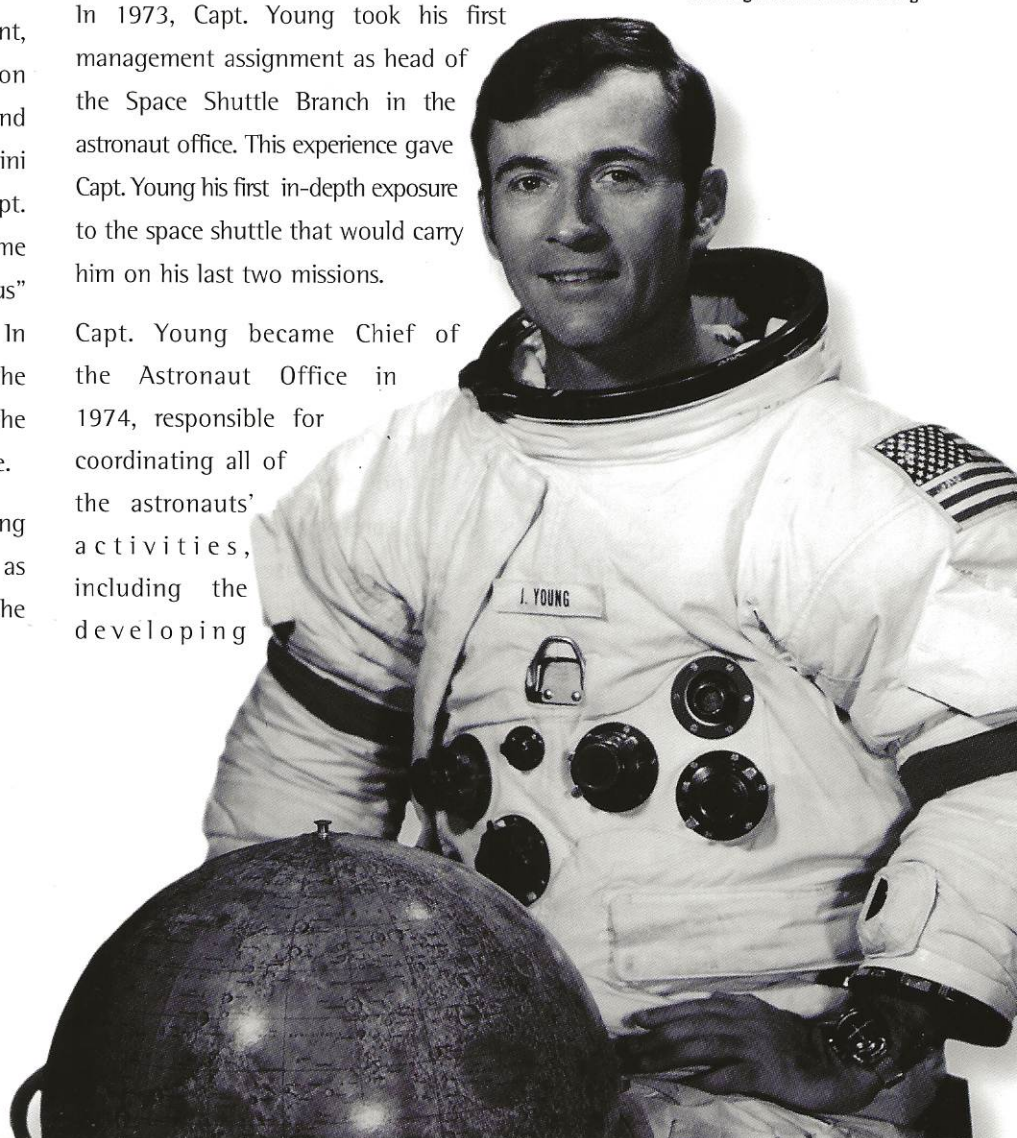
The flight would prepare Capt. Young for his own lunar landing three years later during Apollo 16. Capt. Young and Charles Duke spent three days exploring the Descartes highland region while Ken Mattingly orbited. The crew brought back the largest single specimen collected during the Apollo program – an 11-kilogram chunk of Moon rock. While on the lunar surface, Capt. Young heard that the Shuttle's budget went through for the following year. He responded, "The country needs that Shuttle mighty bad. You'll see."

1962
Young is selected as an astronaut.

1962
Gemini 3,
First Flight for Astronaut Young

In 1973, Capt. Young took his first management assignment as head of the Space Shuttle Branch in the astronaut office. This experience gave Capt. Young his first in-depth exposure to the space shuttle that would carry him on his last two missions.

Capt. Young became Chief of the Astronaut Office in 1974, responsible for coordinating all of the astronauts' activities, including the developing



1962
Young set the world time-to-climb records to 3,000-meter and 25,000-meter altitudes in the Phantom.

National Space

1966

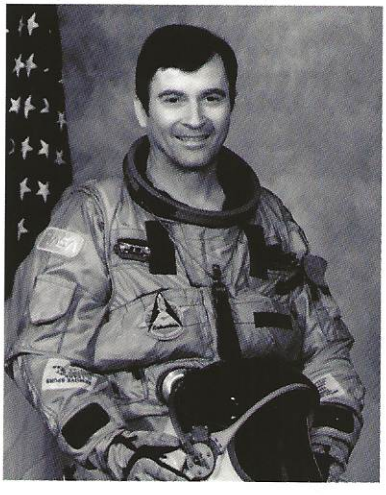
Gemini 10,
Young as Commander

shuttle program and the Apollo-Soyuz Test Project (ASTP) in 1975.

In 1976, Capt. Young retired as a Navy Captain, but stayed as head of the astronaut office. Before joining the STS-1 crew, Capt. Young managed the five approach and landing tests of the shuttle Enterprise. Part of his job also involved participating in the astronaut selection process. NASA selected the first new class in 1978 and Capt. Young was instrumental in the process.

Capt. Young continued his duties in selecting, training and advising the astronauts even after rotating to the crew of the first shuttle flight. In his dual role, he participated in the successful definition and testing of crew equipment and shuttle subsystems, in addition to reviewing the basic design criteria, operational characteristics, and capabilities of the spacecraft's systems. Part of Capt. Young's training for STS-1 involved developing flight procedures for the orbiter. He was a major architect of the shuttle's guidance and control landing system.

In April 1981, Capt. Young's test pilot skills served him once again as he commanded the first flight of the space shuttle. He and Robert Crippen tested Columbia's on-board systems and after 36 orbits, made a picture-perfect landing at Edwards Air Force Base in California.



As Chief of the Astronaut Office, Capt. John Young managed the astronauts' official activities through the first twenty-five space shuttle flights. He played a key role in the selection of five classes of astronauts during his tenure and participated in the flight crew selection process for each mission. He developed training requirements that continue to be used in the current shuttle program.

Capt. Young maintained his flight status during his time as Chief and flew again on the ninth shuttle flight, still simultaneously training and fulfilling his managerial responsibilities. STS-9 was the flight of the Spacelab module and the first six-person crew.

Capt. Young became the Special Assistant to the Director of JSC for Engineering, Operations, and Safety in April 1987. He took on the new job with typical John Young vigor, including overseeing the safe flight of the space shuttle, reviewing new programs with regards to safety, engineering, and operation, and advising the center director on matters related to his job.

In February 1996, JSC Director George W.S. Abbey promoted Capt. Young to Associate Director

1969

Apollo 10,
Lunar Orbit & Rendezvous

1972

Apollo 16,
Lunar Exploration

1973

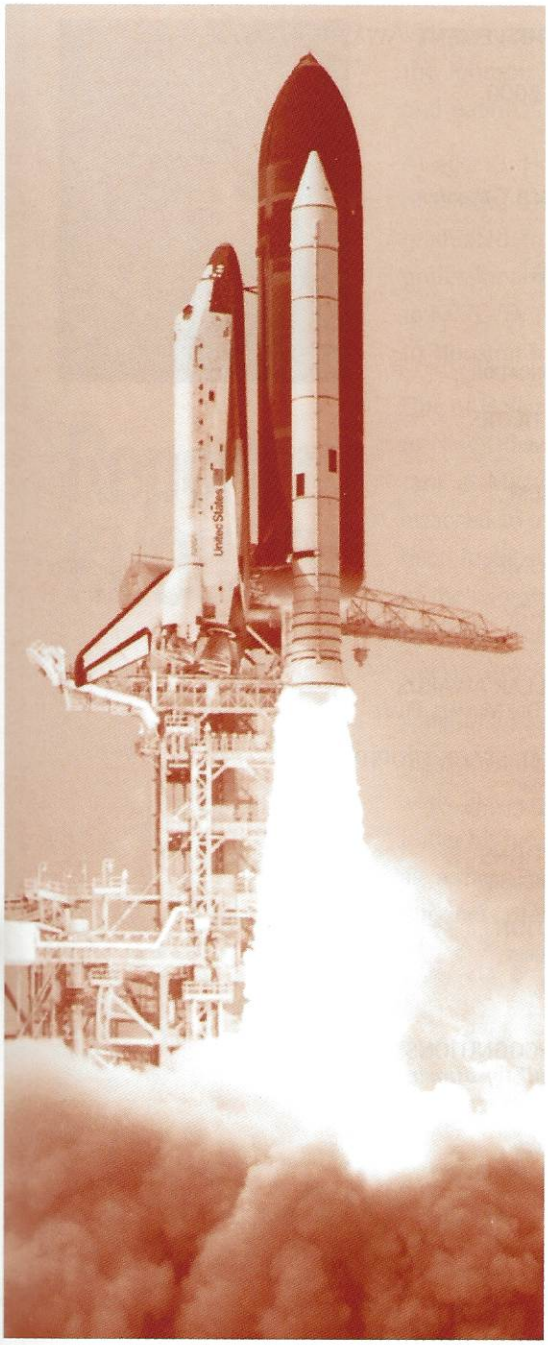
Chief of Space Shuttle Branch

1974–1987

Chief of Astronaut Office

Trophy Recipient

Captain John W. Young



(Technical), where he is responsible for the technical, operational, and safety oversight of all NASA programs and activities assigned to Johnson Space Center. Capt. Young remains in this post and maintains his status as NASA's senior astronaut.

His honors are far too numerous to list. Major ones include the Congressional Space Medal of Honor, the Air and Space Museum Trophy, the Federation Aeronautique Internationale Yuri A. Gagarin Gold Medal, the NASA Outstanding Leadership Medal, and the Navy Distinguished Flying Cross. He is a fellow of the American Astronautical Society, the American Institute of Aeronautics and Astronautics, and the Society of Experimental Test Pilots. He is an inductee of the International Space Hall of Fame, the National Aviation Hall of Fame, and the U.S. Astronaut Hall of Fame.

1983

STS-9,
Spacelab Mission

1987–1996

Special Assistant to the Director of JSC for Engineering, Operations and Safety

1996

Associate Technical Director JSC

1981

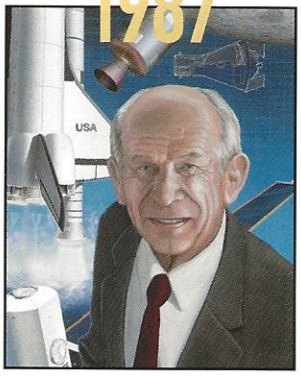
STS-1,
Commander of the Columbia,
First Space Shuttle Mission

Previous National Space Trophy Recipients

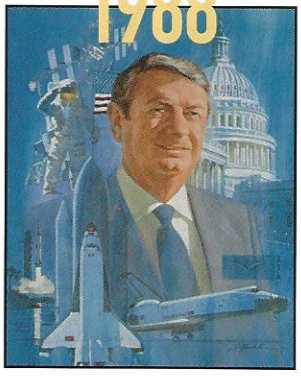
Awards Banquet

Fourteenth Annual

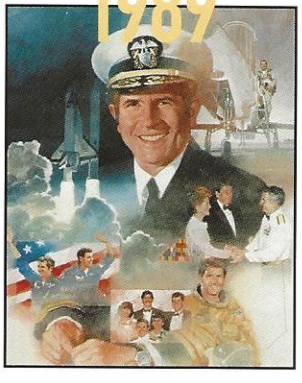
Dr. Maxime Faget
1987



Don Fuqua
1988



Vice Adm. Richard Truly
1989



ROTARY NATIONAL AWARD FOR SPACE ACHIEVEMENT AWARDS BANQUET

Friday, March 10, 2000

6:00
RECEPTION
6:50 Guests relocate to IMAX theater

7:00
VIDEO OPENING

WELCOME
CLAY FULCHER
CHAIRMAN, RNASA FOUNDATION

PRESENTATION OF COLORS
U.S. Naval Reserve

NATIONAL ANTHEM
JEFF STITH

MASTER OF CEREMONIES
NANCY HOLLAND
CHANNEL 11, KHOU-TV

PRESENTATION OF THE STELLAR AWARDS
ASTRONAUTS COL. EILEEN COLLINS & DR. MICHAEL FOALE

PRESENTATION OF THE NATIONAL SPACE TROPHY
GEORGE W. S. ABBEY
DIRECTOR, JOHNSON SPACE CENTER

SPECIAL PRESENTATIONS
TO CAPTAIN JOHN W. YOUNG

CHECK PRESENTATION
TO GEORGE W. S. ABBEY
CLAY FULCHER

CLOSING OF PROGRAM/RECOGNITIONS
Guests relocate to Main Hall for dinner

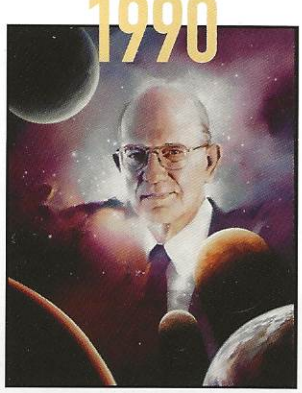
INVOCATION
REVEREND WAYNE IVEY
MINISTER, TAYLOR LAKE CHRISTIAN CHURCH

DINNER

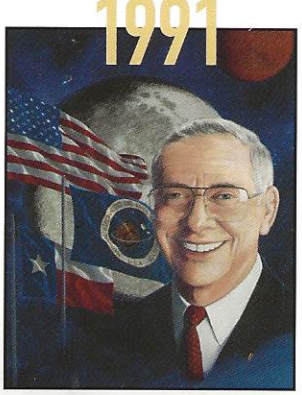
DANCING

MUSIC BY
BRASS, RHYTHM & REEDS

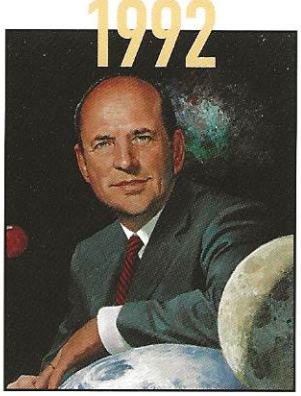
Dr. Lew Allen
1990



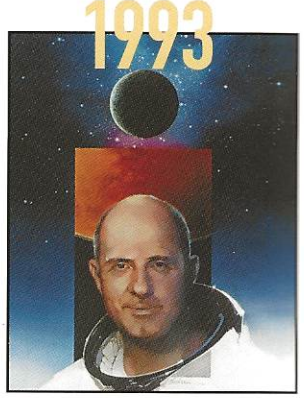
Aaron Cohen
1991



Norman Augustine
1992



Lt. Gen. Thomas Stafford
1993



Nancy Holland

Master Of Ceremonies

Reporter, KHOU-TV

Veteran general assignment reporter Nancy Holland has covered NASA and the Johnson Space Center for the last several years. She also reports on state and national politics for KHOU-TV in Houston.

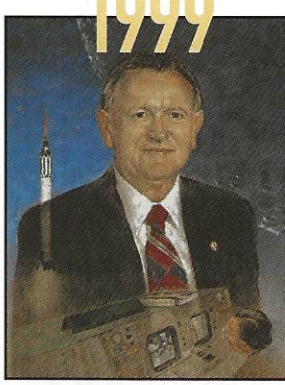
At age 13, Holland began writing for a weekly newspaper in her home state of Illinois. During her college years, Holland worked as a photographer. She graduated from the University of Florida in Gainesville and launched her professional career at WBRZ-TV in Baton Rouge, Louisiana. Holland went on to KPRC-TV in Houston, followed by WDSU-TV in New Orleans. She returned to Houston in 1985 to join KHOU-TV.

One of Holland's earliest professional experiences with the space program was in New Orleans, where she reported on the creation of the shuttle's external tank at Michoud Space Systems. It would be years before she saw the tank attached to an orbiter. Since then, Holland has covered several launches "and been lucky enough to witness half a dozen or so in person." From the roof of the two-story CBS building, the orbiter is a tiny object in the distance. "But when it takes off, the very concrete blocks of the building tremble and I am forever struck with how awesome it is," says Holland.

Holland covered the first Hubble repair mission, which produced "some of the most incredible pictures I've ever seen," like watching the solar array float away like a giant bird. Holland also recalls hearing Tom Akers singing softly under his breath as he worked in space. "He said later it was a habit developed as a farm boy," Holland says. "I found that wonderfully human in the hugeness of space."

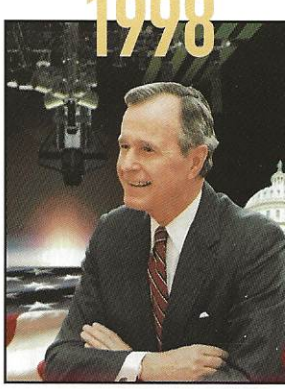
Christopher C. Kraft, Jr.

1999



George W. Bush

1998

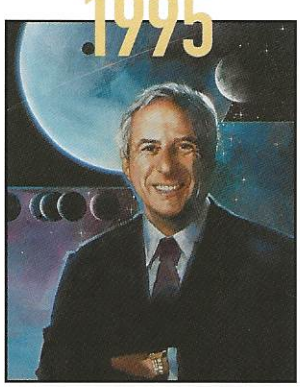


E.C. "Pete" Aldridge

1994

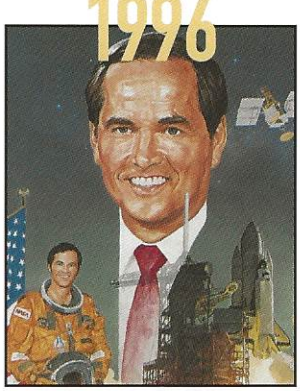
Dan Goldin

1995



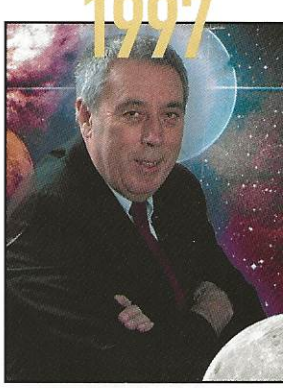
Robert L. Crippen

1996



George W. S. Abbey

1997



The National Space Trophy

The prestigious National Space Trophy of the Rotary National Award for Space Achievement Foundation, awarded annually to an individual selected by aerospace leaders, depicts the aspiration of the human need to explore space, the power and vastness of space and the glory of human achievement.

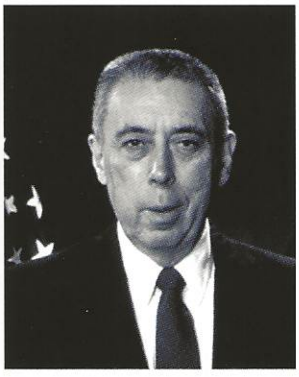
Created by Steuben Glass Company of New York, the trophy is made entirely of lead crystal. It weighs approximately 500 pounds and is almost four feet tall. Most of the processes practiced by Steuben – casting, cutting, blowing and engraving – were employed in the trophy's creation.

The trophy is a conical column that appears to hover over a field, of explosive power, randomly scattered with spheres throughout. A bright sandblasted line spirals around the column and terminates at the tip. Captured within the top of the cone is a bubble of air, seeming to hurtle upward.

The trophy is permanently displayed at Space Center Houston, the official visitors center of the Johnson Space Center.

George Abbey

The National Space Trophy Presenter



Director, Johnson Space Center

George Abbey, recipient of the 1997 National Space Trophy, presents this year's award to John Young.

For more than three decades, George Abbey has devoted his life to the goals of the space program. After graduating from the U.S. Naval Academy in 1954, he joined the Air Force and flew a variety of aircraft during the next several years. Mr. Abbey received his master's degree in 1959 and was assigned technical and management positions on the Air Force DYNASOAR program. He worked directly with NASA and Boeing on the program, providing his early experience with the space program.

In 1964, Mr. Abbey was detailed to the Apollo program. He left the Air Force in 1967 to become Technical Assistant to the Manager of the Apollo Program. His engineering prowess and management skills led him to the position of Technical Assistant to the Director of JSC. He played key roles in the Apollo-Soyuz Test Program and transitioning JSC to the Shuttle era.

Over the next several years, Mr. Abbey became Director of Flight Operations, then the director of the Flight Crew Operations organization, working in Shuttle program development, operations and training. He was appointed Deputy Associate Administrator for Space Flight at NASA Headquarters in 1988. In 1991, the president appointed Mr. Abbey as Senior Director for Civil Space Policy on the National Space Council. The next year, he became Special Assistant to NASA's new Administrator, Dan Goldin. In this role, Mr. Abbey was instrumental in the administrator's transition and played a key role in a number of key agency initiatives.

In 1994, he was named deputy director of JSC and led a number of important initiatives, including the most sweeping reorganization in the center's history. He became JSC Director in 1996, with "lead center" management responsibilities for Shuttle, International Space Station and critical elements of NASA's life science programs.

Mr. Abbey also has undertaken numerous successful projects to build strong community ties, such as the center's open houses and the JSC Inspection. He also has actively supported a number of innovative educational partnerships including the Longhorn Project, Texas Aerospace Scholars Program, and the KC-105 student experiment program.

Collins & Foale

Stellar Award Presenters

Col. Eileen Collins

RNASA is honored to have Eileen Collins as one of the presenters of this year's Stellar Awards for space achievement. A colonel in the U.S. Air Force, Collins was the first woman to command a shuttle mission on STS-93.

Before her selection to the astronaut corps, Col. Collins served in the Air Force as a T-38 instructor pilot, then as a C-141 aircraft commander and instructor. In 1986, she became an assistant professor of mathematics and T-41 instructor pilot at the U.S. Air Force Academy. She was selected for the astronaut program while attending the Air Force Test Pilot School at Edwards AFB, California, from which she graduated in 1990.

Initially assigned to orbiter engineering support, Col. Collins also has served on the astronaut support team responsible for orbiter pre-launch checkout, final launch configuration, crew ingress/egress, and landing/recovery. She has worked in Mission Control as a spacecraft communicator (CAPCOM) for numerous shuttle missions, and served as the Astronaut Office Spacecraft Systems Branch Chief. A veteran of three space flights, Col. Collins has logged more than 537 hours in space. She served as pilot on STS-63 in 1995 (with fellow award presenter Michael Foale), STS-84 in 1997, and was the first woman shuttle commander on STS-93 in 1999.

Col. Collins holds a master's degree in operations research from Stanford University and a master's degree in space systems management from Webster University.

Dr. Michael Foale

RNASA is honored to have Michael Foale, Ph.D., as one of the presenters of this year's Stellar Awards for space achievement. A veteran of five space flights, Dr. Foale has logged more than 168 days in space – including three space walks totaling nearly 19 hours.

Dr. Foale, who considers Cambridge, England, to be his hometown, moved to Houston to work on shuttle navigation problems at McDonnell Douglas Aircraft Corporation after his postgraduate work at Cambridge University. In June 1983, Dr. Foale joined JSC in the payload operations area of the Mission Operations Directorate. As payload officer in the Mission Control Center, he was responsible for payload operations for four missions.

Dr. Foale was selected as an astronaut candidate in June of 1987. Before his first flight, he flew the Shuttle Avionics Integration Laboratory (SAIL) simulator to provide verification and testing of shuttle flight software. Dr. Foale has served as Deputy Chief of the Mission Development Branch in the Astronaut Office, and Head of the Astronaut Office Science Support Group. In preparation for a long-duration flight on the Russian Space Station Mir, Dr. Foale trained at Star City, Russia. He was a mission specialist on STS-45, STS-56, STS-63 (with fellow award presenter Eileen Collins) and STS-103, and served as Board Engineer II for more than four months on Mir. He currently serves as Chief of the Astronaut Office Expedition Corps, while continuing his duties as Assistant Director (Technical), Johnson Space Center..

NOMINEES

Stellar Award Nominees

RECENT GRADUATES

Capt. Ravi I. Chaudhary
USAF "United States Air Force 339th Flight Test Squadron"
Outstanding leadership and technical expertise in the design, development, and test of flight critical Delta II Launch Vehicle and International Space Station hardware.

Mr. David B. Cochran
Kistler Aerospace Corporation
Exceptional level of professional responsibility and technical leadership as Structures Manager for the K-1 Fully Reusable Launch Vehicle Program.

First Lt. Odaro J. Huckstep
USAF "United States Air Force, 3 SOPS/DOU DSCS III"
Exceptional performance as a satellite vehicle operator, engineer, and the Launch Manager for the AF's first $200M DSCS III launch and early orbit mission.

Mr. Christopher J. Johnson
NASA Johnson Space Center
Initiative, technical expertise, and leadership for the structural design, analysis, and testing of prototype hardware including the TransHab Shell Development Unit.

Mr. Christopher M. Madsen
NASA Johnson Space Center
Innovative approaches and technical expertise in the flight testing, simulation modeling, flight analysis, and piloting of the X-38 parafoil and prototype vehicle drop tests.

Mr. Christopher D. McElroy
United Space Alliance
Development and implementation of the command and data handling displays for the Space Station Training Facility (SSTF), and for his development of instructors in support of the Early Operations Simulations.

Ms. Dana J. Weigel
Barrios Technology, Inc.
Outstanding dedication, professionalism, and technical excellence in developing the Extra-Vehicular Activity procedures and conducting crew training for the successful third Hubble Space Telescope servicing mission.

EARLY CAREER

Mr. Brian T. Anderson
The Boeing Company
Innovation and leadership in the development of advanced hydrocarbon booster rocket engines.

Dr. Gregory L. Anderson Ph.D.
Thiokol Corporation
Technical contributions in defining, developing and qualifying advanced adhesives for the Space Shuttle Solid Rocket Motor nozzles.

Mr. Dennis N. Babin
United Space Alliance
Identifying key engineering weaknesses that would have prevented successful completion of International Space Station (ISS) flight 15A and for leadership in long range planning of the ISS Phase 3 assembly flights.

Mr. Steven R. Berry
The Boeing Company
Outstanding technical and team leadership in the development of the ISS Networked Payloads Training System (NPTS), which is a critical technology for the training and operation of ISS science payloads.

Mr. David E. Bethay
The Boeing Company
Leadership, persistence and determination in successfully preparing to launch the first and the fifth U.S. International Space Station elements.

Mr. Jeffrey D. Booher
The Boeing Company
Systems engineering expertise, process development, and the establishment of methods to analyze and define the incremental build up of the ISS, thus setting a standard for all future manned space on-orbit integration efforts.

Mr. Mark A. Bowman
Wyle Laboratories
Commitment to a working US-Russian partnership and his superior performance with integrating US hardware into Russian space vehicles.

Ms. Jill D. Brigham
NASA Johnson Space Center
Leadership and expertise in upgrading NASA JSC aircraft with state-of-the-art hardware in minimum time and minimum cost.

Ms. Radel L. Bunker
NASA JSC White Sands Test Facility
Leadership and perseverance in forging a team to successfully complete the ISS Oxygen Recharge Compressor Assembly, which is the first White Sands Test Facility design, manufacturing, and testing of ISS flight hardware.

Mr. John C. Coggeshall
United Space Alliance
Exceptional technical leadership in achieving a significant reduction in the time required to prepare for a Space Shuttle mission.

Mr. Stephen A. Cook
NASA Marshall Space Flight Center
Outstanding initiative and leadership contributions in developing NASA's Advanced Space Transportation Technology Program.

Mr. Charles W. Dingell
NASA Johnson Space Center
Outstanding leadership and technical expertise during the development of the Environmental Control Life Support System for the X-38 Spacecraft Project.

Ms. Kimberly B. Doering
NASA Johnson Space Center
Exceptional leadership and support in the development of ISS international agreements by providing the programmatic, technical, and cost analysis to support valuation of the contributions and rights of partners and participants.

Capt. W. Chadburn Engman
USAF "United States Air Force, 50th Operations Support Squadron"
Outstanding leadership and innovative approach to applying space commercialization strategies to Department of Defense space initiatives.

NOMINEES

Stellar Award Nominees

Mr. Thomas R. Galloway
NASA Kennedy Space Center
Outstanding technical leadership and management abilities demonstrated in the development of International Space Station elements.

Mr. Bradley D. Hudson
The Boeing Company
Instrumental work in establishing a programmatic baseline for the NASDA Centrifuge program.

Mr. Scott E. Johnson
The Boeing Company
Exceptional technical abilities in configuration and structural design of spacecraft airframes.

Mr. Kriss J. Kennedy
NASA Johnson Space Center
Significant contributions to the TransHab project, the design of the ISS alternative crew quarters, and the Mars Combo-Lander project.

Mr. Mark A. Kirasich
NASA Johnson Space Center
Leading the development and operation of the International Space Station Mission Control Center Command and Telemetry System.

Mr. Michael T. Kirsch
NASA JSC White Sands Test Facility
Outstanding team leadership, project management, and technical contributions in the successful effort to conduct and continuously improve hazardous hypervelocity impact testing at the White Sands Test Facility.

Dr. Kitt C. Reinhardt, Ph.D.
Air Force Research Laboratory
Significant contribution to reducing the cost and enhancing the capability of future space power systems.

Mr. Ralph R. Roe, Jr.
NASA Johnson Space Center
Exceptional leadership and technical expertise in the resolution of orbiter wire damage throughout the orbiter fleet, and the return to flight status following the STS-93 wire short during ascent.

MID-CAREER

Mr. Larry D. Allred
Thiokol Propulsion
Leadership in developing an asbestos-free internal insulation design for the RSRM and successfully demonstrating the insulation in the FSM-8 static test.

Mr. Michael D. Axline
NASA Johnson Space Center
Leadership in maintaining the NASA/JSC T-38 aircraft fleet at its current impeccable condition.

Mr. Harold D. Beeson
NASA JSC White Sands Test Facility
Outstanding technical leadership of the effort to understand the causes of the 1997 Mir Space Station Solid Fuel Oxygen Generator fire and to test methodologies to improve its safe use on the ISS.

Mr. Frank J. Benz
NASA Johnson Space Center
Vision and leadership in establishing the Manufacturing, Materials and Process Technology Division as a world class design and manufacturing organization.

Mr. William B. Binnie
Rotary Rocket
Exceptional technical leadership and flight test conduct of the Roton ATV program which has demonstrated the potential of a new reusable launch vehicle configuration.

Ms. Jerri R. Brezik
MRI Technologies
Leveraging internet technologies to improve information flow and availability, thus reducing the cost of project management across the Engineering Directorate at NASA Johnson Space Center.

Mr. Robert E. Castle, Jr.
NASA Johnson Space Center
Outstanding leadership as a Lead Flight Director in the development of the flight control team operations concept, capabilities, and Russian interfaces to support the ISS.

Mr. D. Larry Clark
Lockheed Martin Astronautics
Pioneering efforts in developing In-Situ Resource Utilization technologies for use in reducing the mass and cost of planetary exploration.

Ms. Diane G. Costello
NASA Johnson Space Center
Outstanding contributions to the Nation's space programs through support for the institutional infrastructure at Johnson Space Center as well as for her contributions to NASA's Full Budgeting and Accounting endeavors.

Mr. Steven D. Goo
The Boeing Company
Tireless efforts as team leader for completing the construction of the ISS US Laboratory Module, initial integration testing, and subsequent delivery to JSC.

Mr. John D. Holt
NASA Johnson Space Center
Leadership and dedication to the planning and successful execution of Shuttle flight STS-103 to repair the Hubble Space Telescope.

Mr. David J. Homan
NASA Johnson Space Center
Pioneering efforts in developing state-of-the-art graphics rendering software, and the associated photo-realistic graphical on-orbit space vehicle and International Space Station models for use in Extravehicular Activity and Remote Manipulator Crew System Training.

Mr. Glen M. Iwai
NASA Johnson Space Center
Outstanding dedication to the Nation's Space Shuttle Program through his untiring efforts in support of the Shuttle funds justification and distribution.

Mr. Jeffrey S. Kincaid
The Boeing Company
Engineering leadership of the X-33 Linear Aerospike Rocket Engine development program teams.

Ms. Susan P. Kroskey
NASA Kennedy Space Center
Outstanding leadership in the planning, coordination and implementation of NASA's Full Cost Budgeting and Accounting endeavors.

NOMINEES

Stellar Award Nominees

Dr. Helen W. Lane, Ph.D.
NASA Johnson Space Center
Outstanding scientific accomplishments in nutrition and food science that have advanced the understanding and application of nutritional concepts for life in space and also here on earth.

Mr. Garry M. Lyles
NASA Marshall Space Flight Center
Initiative and leadership in developing NASA's Spaceliner 100 and Advanced Transportation Initiatives.

Ms. Bernice J. Mays
Lockheed Martin
Leading the Consolidated Space Operations Contract in implementation and assurance of Y2K compliance for all NASA Space Operations Support Systems.

Mr. Terrence H. Murphy
The Boeing Company
Outstanding leadership in the capture of significant new business in rocket propulsion.

Col. Stanley L. Mushaw
USAF United States Air Force
Charting a path to a new era of space launch management and operation, through exemplary leadership on the Secretary of the Air Force's Spacelift Task Force and service in working groups and assessments for the White House.

Mr. James E. Ratliff
NASA Johnson Space Center
Outstanding technical leadership as the Project Manager for the Mars In-situ Propellant Production Precursor experiment, a crucial element in support of the future exploration of Mars.

Mr. Mark L. Reiber
The Boeing Company
Expertise in Electromagnetics Effects testing in support of the International Space Station, including Multiple Element Integrated Testing and ongoing U.S. Laboratory testing.

Dr. Martinus Sarigul-Klijn
Rotary Rocket
Innovative design and management of the Roton ATV program which has demonstrated the potential of a new reusable launch vehicle configuration.

Mr. Charles J. Schillinger
The Boeing Company
Assuring the successful fabrication, assembly, test, and delivery of critical elements of the International Space Station Electric Power System.

Mr. Joel M. Stoltzfus
NASA JSC White Sands Test Facility
Sustained excellent performance in understanding of metals combustion in oxygen, and application of that knowledge to oxygen hazards analysis and testing which have resulted in improved safety for the X-33 and X-34 vehicles, Shuttle, and the International Space Station.

Mr. Michael T. Suffredini
NASA Johnson Space Center
Exceptional technical leadership and management of the International Space Station Research Program.

Mr. Roger P. Talbot
Lockheed Martin Technical Operations
Critical leadership and technical contributions for the successful activation of a high risk space-based system, for a major organizational reengineering effort, and for the successful recovery of ground and space systems following significant anomalies.

Mr. Gary M. Wendel
Thiokol Corporation
Technical leadership in characterizing and understanding ablative materials in the nozzles of the Space Shuttle Solid Rocket Motor.

Dr. Dave R. Williams, M.D.
NASA Johnson Space Center
Outstanding achievements and leadership in neuroscience research and excellent management of the Space and Life Sciences Directorate at the Johnson Space Center.

Dr. Salim B. Yilmaz
The Boeing Company
Leadership in developing and championing the implementation of innovative design solutions for the International Space Station Passive Thermal Control System.

Mr. John G. Zeh
United Space Alliance
Initiative and technical excellence in developing and implementing Space Shuttle Orbiter docking system simulation models in a variety of Space Shuttle flight simulators.

LATE CAREER

Mr. Lorin E. Blewett
The Boeing Company
Expertise in staged combustion rocket engines and successful management of the Space Shuttle Main Engine Development and Flight Operations Program.

Mr. Charles W. Floyd
Raytheon
Expertise in avionics and flight software, and for his management of the effort to evolve NASA's simulation and training infrastructure into the space station era.

Mr. Delma C. Freeman, Jr.
NASA Langley Research Center
Outstanding technical and leadership contributions to the Nation's development of advanced space transportation systems.

Mr. James R. Jaax
NASA Johnson Space Center
Overall leadership and technical direction of NASA's pioneering space efforts.

Mr. Charles W. Murphy
United Space Alliance
Establishing the NASA Shuttle Logistics Depot in Florida, and for his leadership in transitioning it to the recently formed United Space Alliance.

Mr. R. Dale Reed
Analytical Services and Materials
Significant contributions during nearly four decades of pioneering aerospace developments, including work on lifting body aircraft.

Dr. Martin C. Weisskopf, Ph.D.
NASA Marshall Space Flight Center
Scientific expertise, technical insight, leadership, and dedication as Project Scientist for the Chandra X-ray Observatory.

STELLAR AWARD

Team Nominees

3rd Space Operations Squadron
USAF United States Air Force, 3 SOPS/DOU
Achieving a 100% mission success rate while commanding over 16,000 satellite command and control missions.

412th Test Wing Access to Space Office
USAF Air Force Flight Test Center
Significant contributions to aerospace development and testing programs that will greatly enhance our Nation's access to and prowess in space.

Aerospace Corporation ISS Review Team
The Aerospace Corporation
Outstanding contributions in proactively identifying and resolving design problems. For the International Space Station.

Airborne Laser System Program Office
USAF United States Air Force
Development of the Nation's first directed energy weapon system, which will revolutionize warfare in the twenty first century.

Carbon Nanotube Team
NASA Johnson Space Center
Cutting edge development of new materials based on the extraordinary mechanical, electrical and optical properties of nanotubes, which have the potential for revolutionizing space exploration and the next generation space vehicles.

Cryogenics Testbed Team
Dynacs Engineering Co., Inc., NASA Kennedy Space Center, University of Florida, Air Products and Chemicals, Inc.
Efforts in leveraging cryogenic technology development to meet both NASA and industry needs, and for promoting technology transfer to the benefit of the public at large.

Defense Satellite Communications System
Phase III Operations Section
USAF United States Air Force, 3 SOPS/DOUE-D
Exceptional performance in support of DOD's #1 space communications weapon system while preparing to conduct AFSPC's first-ever "blue suit" $200M launch and early orbit mission.

Lockheed Martin Technical Operations
Propellant Engineering Team
Lockheed Martin Technical Operations
Making significant contributions to space flight through the development of innovative spacecraft propellant loading systems and processes that have safely reduced launch site processing timelines and costs.

Lunar Prospector Team
NASA Ames Research Center
Hard work and dedication to implementing the concepts of the NASA Discovery Program through the development and operation of the successful Lunar Prospector mission to the moon.

NASA KC-135 Reduced Gravity
Student Flight Opportunity Program
NASA Johnson Space Center
Creating a unique and highly innovative engineering and science education initiative which inspires and challenges hundreds of students and teachers across the United States, helping to prepare the next generation of workers to contribute to the success of our Nation's space program.

NASA's Chandra X-Ray Observatory Team
NASA Marshall Space Flight Center
TRW Space & Electronics Group
Successfully designing, building, launching and deploying NASA's Chandra X-ray Observatory, the world's most capable and most powerful X-ray observatory, which provides astronomers with views that cannot be seen by conventional optical telescopes.

Raytheon Multi-Function Electronics Display System
(MEDS) Engineering and Integration Team
Raytheon
Successfully upgraded the Shuttle Mission Simulators at JSC ahead of schedule, with no discrepancies, and under budget.

Space Shuttle Orbiter Wire and Inspection Repair Team
The Boeing Company, NASA, United Space Alliance
Rapid and effective development and implementation of wire inspection and repair criteria for the entire Shuttle fleet.

Student Tracked Atmospheric Research Satellite for
Heuristic International Networking Experiment
STARSHINE Headquarters
Initiative, leadership, and selfless dedication, resulting in the launch of the STARSHINE satellite for the students of the world.

The Russian Training Integration Instructor Team
United Space Alliance
Exemplary performance with our Russian partners in the development, implementation, and enhancement of the astronaut and cosmonaut flight crew training process for the International Space Station program.

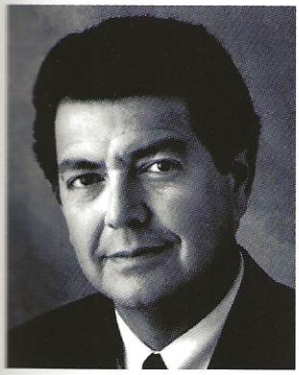
Variable Specific Impulse Magnetoplasma Rocket Team
Muniz Engineering, Inc., NASA Johnson Space Center
Successfully accomplishing the first stage of an experimental engine which promises affordable high-speed transportation technology for future human and robotic space flight.

X-37 Program Team
The Boeing Company, NASA Marshall Space Flight Center, the Air Force Research Laboratory
Tireless teamwork in development and testing of the X-37 space transportation technology demonstration vehicle.

X-38 Project Team
NASA Johnson Space Center
Technical expertise and determination in the design and flight test of the X-38 Crew Return Vehicle Prototype.

Sylvan Rodriguez

In Honor Of



Anchor, KHOU-TV

In honor of journalist Sylvan Rodriguez's outstanding news coverage of the manned space flight program, the Rotary National Award for Space Achievement Foundation has named the Texas Aerospace Scholars Program its 2000 benefactor.

Sylvan Rodriguez has been a news fixture in Houston since 1977, specializing in space and political reporting. He anchors the noon and 6 p.m. news for KHOU-TV.

During college at the University of Texas, Rodriguez wrote for several newspapers and a wire service. He was selected as a college intern for the U.S. Information Agency, covering the White House, the State Department, the Pentagon and Capitol Hill.

Rodriguez launched his professional career as a reporter and photographer for KENS-TV in San Antonio, then as a reporter and anchor for KTRK-TV in Houston. He interviewed every U.S. president in the '70s and '80s.

Covering the earliest days of the space shuttle program, Rodriguez interviewed shuttle designer Max Faget long before the first orbiter launched. Faget reached into his briefcase and pulled out a small balsa-wood glider he had constructed in his garage. Rodriguez and Faget tossed the model back and forth as Faget explained how its gliding properties would serve the shuttle on re-entry.

The flight of the first shuttle, commanded by John Young, was another high point for Rodriguez. He remembers watching Young land Columbia, putting the orbiter down precisely on the center stripe when no one had flown "the rock" before.

The Challenger accident touched everyone, including the media covering the Johnson Space Center. Rodriguez has been very active in raising money for the Challenger Centers.

Balanced investigative reporting of the accident brought Rodriguez the attention of the ABC network. The network offered him a position as a correspondent in Los Angeles. He later returned home to Houston as KHOU-TV's anchor.

Rodriguez has received numerous awards from the Associated Press, United Press International and the Society of Professional Journalists. He is active in the community and is a board member for the Museum of Natural Science, the American Cancer Society, the American Diabetes Association, the Volunteer Center and I Have A Dream Foundation. His golf tournaments have raised money for the Challenger Centers, United Cerebral Palsy, the Tourette Syndrome Association and the Museum of Medical Science.

Rodriguez says "it is a lifelong wonderful experience to know those connected with the space program."

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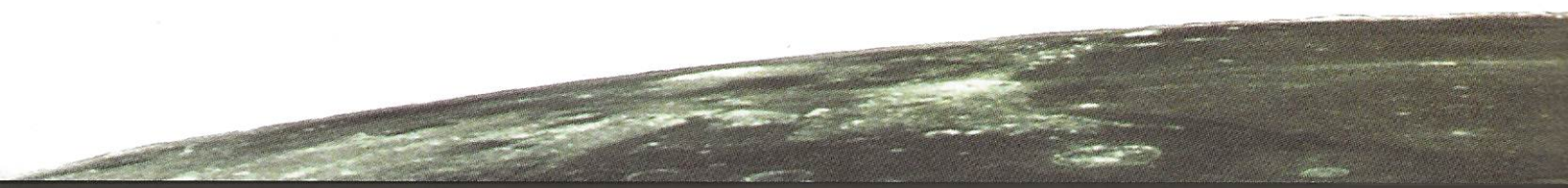

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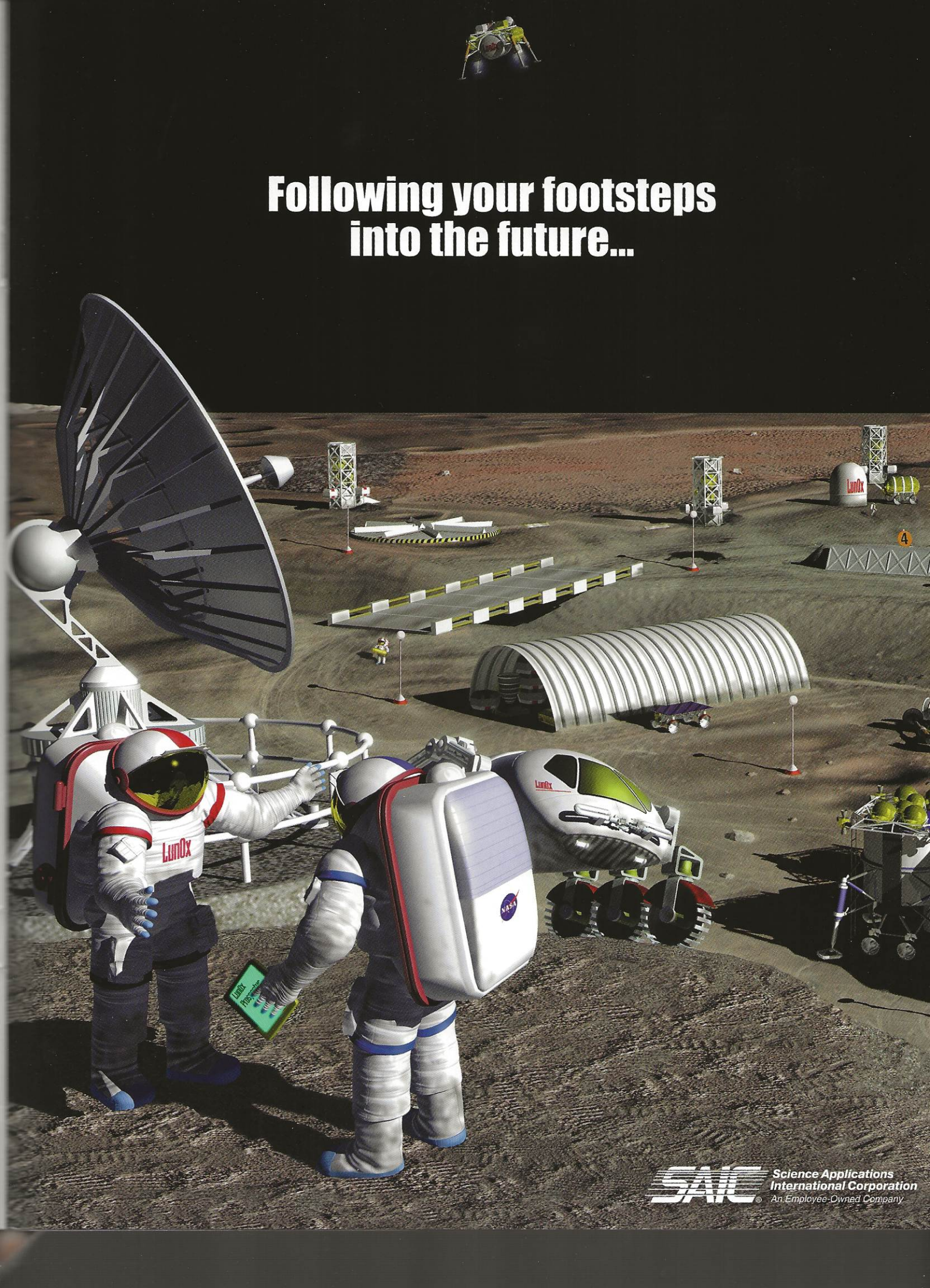
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LOCKHEED MARTIN

... for his contributions to our nation's space program

1981

12 April

Kennedy Space Center, Florida

STS-1/LAUNCH – Flames shoot from the nozzles of NASA's Space Shuttle Columbia's three main engines as it lifts off from launch pad 30A at the Kennedy Space Center. Official launch time for this maiden flight of Columbia was 2:6:21 (EST). Onboard the spacecraft are Commander Captain John Young and Pilot Robert L. Crippen. The mission is to verify Space Shuttle systems performance during launch, on orbit and entry. Columbia will be the first winged re-entry vehicle to return from space to a runway landing.

The men and women of Lockheed Martin salute John Young

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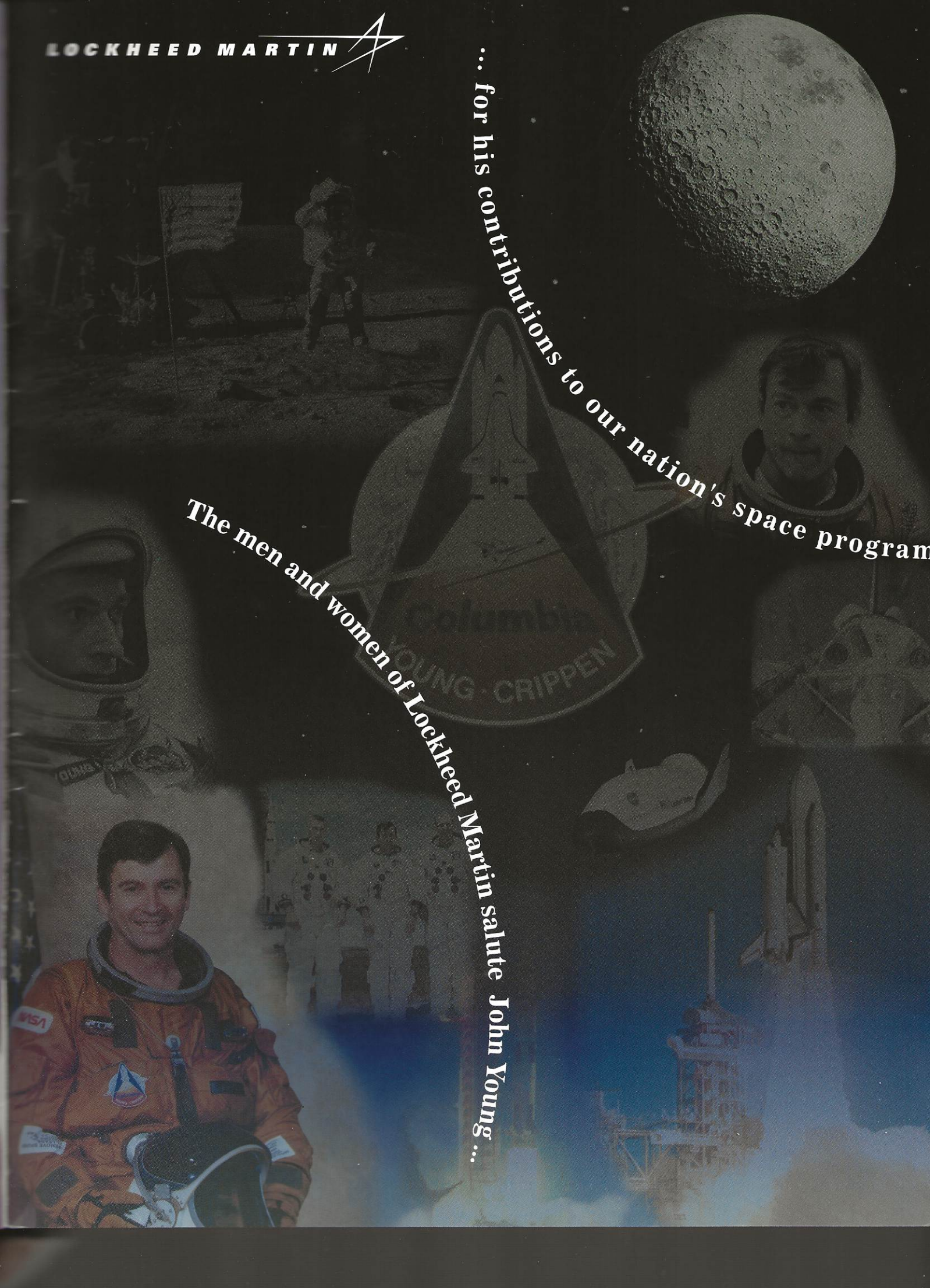
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