

**1998 Rotary
National Award for
Space Achievement**



**We're moving into
new neighborhoods.**

From the space station to the Moon to Mars and beyond, your commitment to manned exploration programs ensures that humanity's destiny to strive, to seek and to find will be achieved.

As the journey continues, Raytheon will be there every step of the way.

Raytheon

THE NATIONAL SPACE TROPHY RECIPIENT

George Bush was elected President of the United States of America on November 8, 1988 and was sworn in on January 20, 1989. He served until January 20, 1993. During his term in office, freedom prevailed in the Cold War; the threat of nuclear war was drastically reduced; the Soviet Union was replaced by a democratic Russia; the Berlin Wall fell; and an unprecedented international coalition force liberated Kuwait from Iraq. And in the midst of these historic achievements, President Bush also exhibited tremendous leadership in providing our nation with the vision and means to accomplish our goals in space for the 21st century.

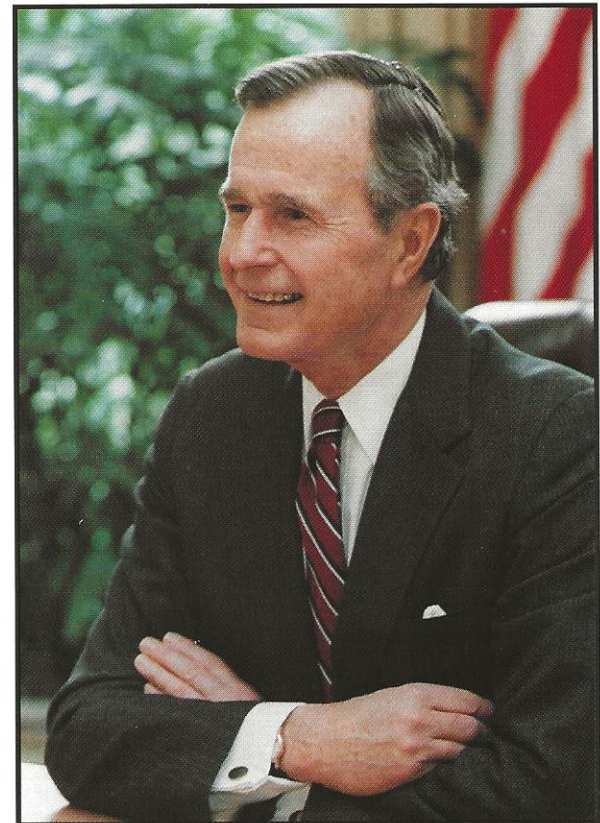
In his report to Congress in January 1989, President Bush described the status and outlook for space activities during his administration. "In 1988 we were proud to return to successful spaceflight with the launch of two space shuttle flights and the additional successful launch of six unpiloted expendable launch vehicles, putting in orbit a wide variety of space tracking, science, navigational, weather, and defense satellites. . . . Our mission to provide leadership in critical areas of space activities in an increasingly competitive international environment urges us to build on the great achievements of those who have gone before and continue with the extraordinary aeronautical and space achievements that this nation has so capably demonstrated."

And build on those accomplishments we did. During President Bush's administration, the United States entered into

a new "golden era" of space science as NASA sent the Magellan spacecraft to map Venus, Galileo to Jupiter, and the Cosmic Background Explorer (COBE) to study the origins of the universe. The knowledge gained from these missions continues to challenge our old ideas and excite us with unexpected discoveries.

The President announced on July 20, 1989, the twentieth anniversary of the Apollo 11 landing, the goal of the United States to establish a permanent human presence on the Moon and to use that experience to begin human exploration of Mars. "In 1961, it took a crisis -- the space race -- to speed things up. Today we don't have a crisis; we have an opportunity. To seize this opportunity, I'm not proposing a ten-year plan like Apollo; I'm proposing a long-range continuing commitment. First, for the coming decade, for the 1990's: Space Station Freedom, our critical next step in all our space endeavors. And next, for the new century: Back to the Moon; back to the future. And this time, to stay. And then a journey into tomorrow, a journey to another planet: a manned mission to Mars."

The following year, President Bush announced a specific goal to land humans on Mars no later than 2019. NASA responded by creat-



George H. W. Bush



**VICE PRESIDENT BUSH & CAPCOM
ROY BRIDGES IN
MISSION CONTROL DURING STS-6**

April 8, 1983

NASA photo

Continued on page 2

THE NATIONAL SPACE TROPHY RECIPIENT

Continued from page 1



**VICE PRESIDENT BUSH
GREETES STS-26 CREW**

October 3, 1988 *NASA photo*

ing the Space Exploration Initiative, a blue print for the path to Mars. President Bush stated, "The challenges of the Space Exploration Initiative are great, but so is the quality of American talent and ingenuity, and so is the leadership of the American people. And . . . it is America's destiny to lead."

President Bush's administration not only launched a new era in human and robotic exploration of our solar system and the universe, it also forged a new partnership with that other great space faring nation, Russia. In 1991, the U. S. and the then Soviet Union agreed to exchange flights by astronauts and cosmonauts on *Mir* and the Space Shuttle, setting the stage for today's partnership with Russia on the International Space Station Program. This year we will realize President Bush's vision where, together with Russia, Japan, Canada, Brazil, and ten European nations, we begin assembly of the single largest international aerospace project in history.

President Bush's career in politics and public service began in 1963, when he was elected Chairman of the Harris County Texas Republican Party. After losing a bid for the United States Senate in 1964, he was elected in 1966 to the U. S. House of Representatives from Texas' 7th District and served two terms. Following a second unsuccessful campaign for the Senate, Mr. Bush was appointed to a series of senior level positions: U.S. Ambassador to the United Nations (1971); Chairman of the Republican National Committee (1973); Chief

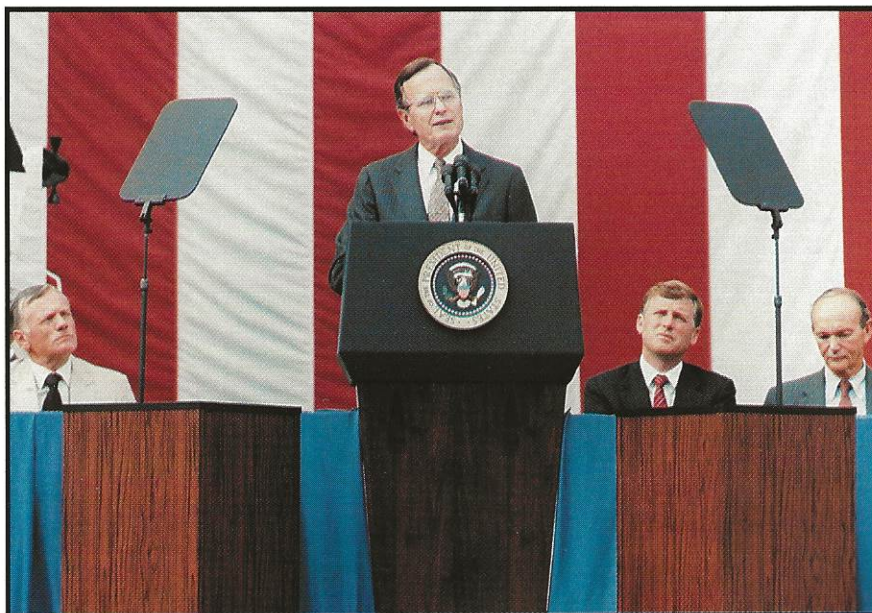
of the U.S. Liaison Office in China (1974); and Director of Central Intelligence (1976). In 1980, Mr. Bush campaigned for the Republican nomination for President. He lost, but was chosen as a running mate by Ronald Reagan. He served as Vice President from 1981 to 1989.

The youngest pilot in the Navy when he received his wings, Mr. Bush flew 58 combat missions during World War II. On one mission over the Pacific as a torpedo bomber pilot, George Bush was shot down by Japanese anti-aircraft fire and

was rescued from the water by a U.S. submarine. He was awarded the Distinguished Flying Cross for bravery in action. After the war, he attended Yale University and graduated Phi Beta Kappa in 1948 with a degree in economics. In 1945, he married Barbara Pierce and moved to Texas where he began making his way in the oil business.

President and Mrs. Bush have five children and fourteen grandchildren. They have been married 52 years and reside in Houston, Texas and Kennebunkport, Maine.

The RNASA Foundation salutes President Bush for his pioneering leadership of our nation's space program. As he said in a speech at the Marshall Space Flight Center in Huntsville in 1990, "History tells us what happens to nations that forget how to dream. The American people want us in space. So, let us continue the dream for our students, for ourselves, and for all humankind."



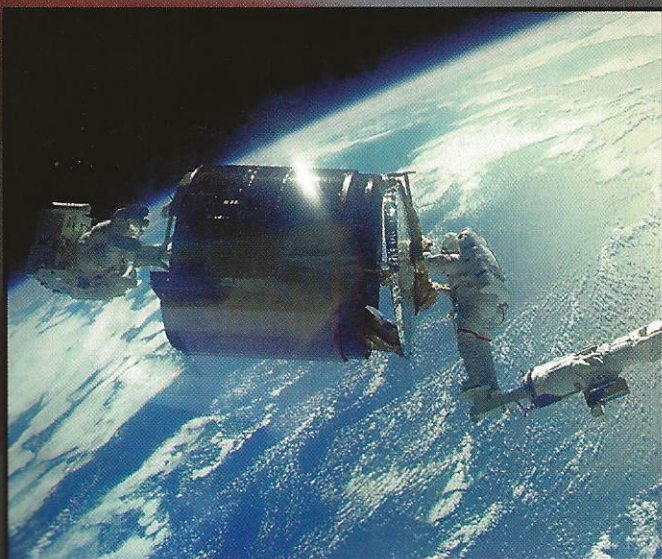
**PRESIDENT BUSH
CELEBRATES APOLLO 11 ANNIVERSARY**

Air and Space Museum, July 20, 1989 *NASA photo*

VERIDIAN

Veridian and its Calspan and Veda Operations salute President George Bush for making a difference in space

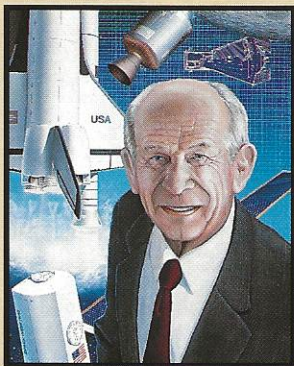
www.veridian.com



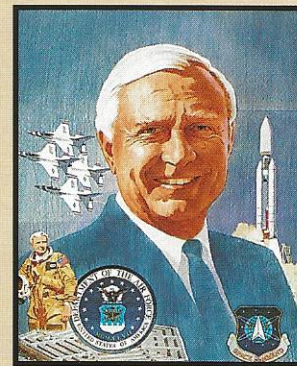
Dr. Joe Allen, Veridian chairman of the board, mission specialist on "Columbia" STS-5 and "Discovery" STS-51A

PREVIOUS SPACE TROPHY WINNERS

Artist Pat Rawlings



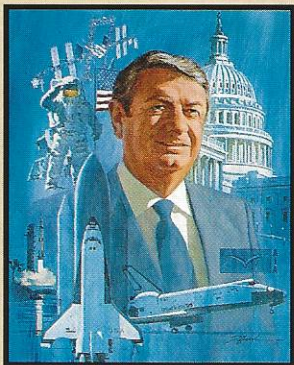
1987 Dr. Maxime Faget



1994 E. C. "Pete" Aldridge

Artist Edward Diffenderfer

Artist Edward Diffenderfer



1988 Don Fuqua



1991 Aaron Cohen

Artist Pat Rawlings



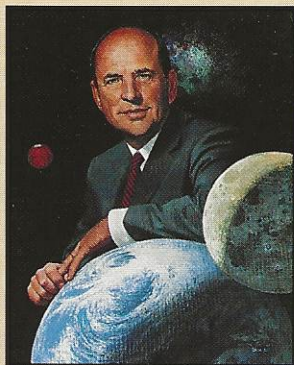
1995 Dan Goldin

Artist Alan Chinchar

Artist Rick Johnson

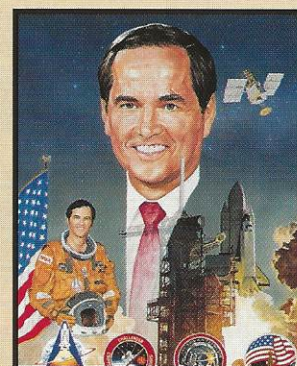


1989 V/Adm. Richard Truly



1992 Norman Augustine

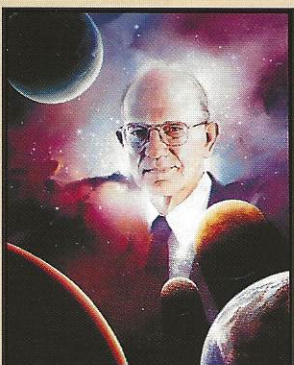
Artist John Solite



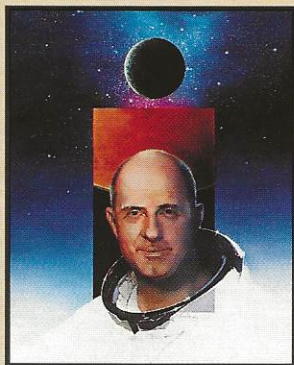
1996 Robert L. Crippen

Artist Maurice Lewis

Artist Alan Chinchar

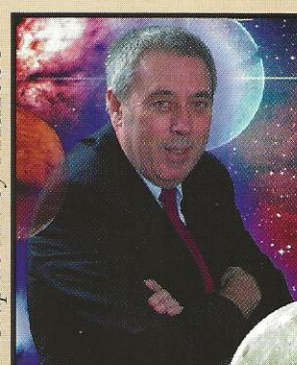


1990 Dr. Lew Allen



1993 Lt./Gen. Thomas Stafford

Artist Alan Chinchar



1997 George W. S. Abbey

Graphic Art by NASA/JSC

Photo by J. Pamela Photography

America returns to the Moon with the Lunar

Prospector

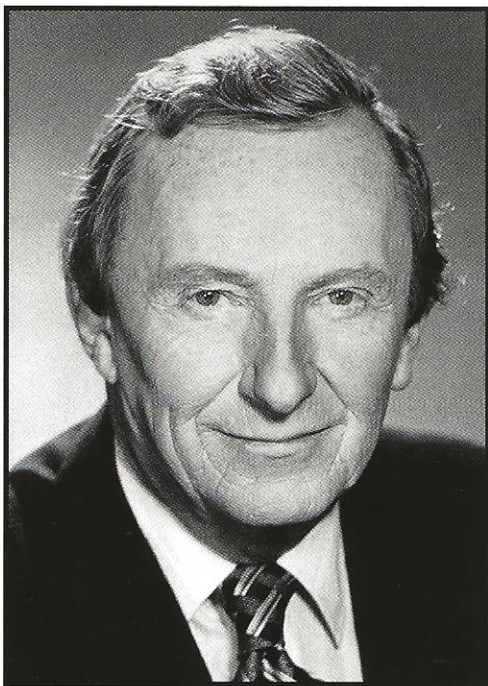


NASA's first trip to the moon in 25 years called for a launch vehicle that was reliable, available and reasonably priced. Lockheed Martin's Athena II met the criteria. Powerful, dependable Thiokol solid rocket motors provided over 90 percent of Athena's power necessary to propel Lunar Prospector on its way to the moon.

The men and women of Thiokol are proud to be part of our nation's space program and salute President George Bush for his continued commitment and lasting contributions to America's space effort.

THIOKOL
AEROSPACE AND INDUSTRIAL TECHNOLOGIES

MASTER OF CEREMONIES



Roy Neal

The RNASA Foundation is pleased to have Roy Neal serve as the Master of Ceremonies. Roy Neal was an NBC News Correspondent, Producer and Executive from 1952 until he retired in 1986. He is an authentic Television and Radio pioneer, credited with developing many of the techniques in use today.

He specialized in coverage of aerospace and is recognized as a leading news expert in that field. He covered all of the Mercury missions from Cape Canaveral and Gemini, Apollo and Space Shuttle flights from the Johnson Space Center in Houston. Today, in retirement, he chairs SAREX, the Shuttle Amateur Radio Experiment, which puts amateur radio aboard Space Shuttles. Using SAREX, licensed astronauts talk to school children all over the world.

When Alan Shepard flew the first, suborbital Mercury mission, Neal was Pool Producer in charge of coverage for all networks. On that and several other flights, he set up international and domestic coverage for the electronic media.

For more than twenty years, Roy emceed the prestigious Honors Award Banquet for the Society of Experimental Test Pilots. He covered the historic feats of the jet age pioneers at Edwards Air Force Base from X-1 to X-15's. When commercial jets were first flown, Neal reported their flights.

Roy Neal was born in Pennsylvania and graduated from the University of Pennsylvania. His news career began at radio station WIBG in Philadelphia. He was a combat Infantry Officer in World War II and went on to become Program Manager for the Armed Forces Radio Network in Europe.

After the war, he went to work in early television at WPTZ in Philadelphia, then moved to California to set up NBC's West Coast news bureau. He was based there for 35 years.

Neal reported a wide range of stories for NBC's Nightly News and TODAY, while anchoring or participating in hundreds of the network's special events and programs including 12 national political conventions. For three years he was Science Editor of NBC. He also was in charge of NBC's western radio operations and frequently was heard on the radio networks.

After retiring from NBC News, Roy Neal moved to North Carolina, where he established his own company, Talent Connection. His clients include AMSAT NA and the American Radio Relay League, for whom he has made several video tapes about amateur radio. He has produced, written and anchored programs for Douglas Aircraft, The Mercury Seven Foundation, the NBC Owned and Operated stations, Station WXII, and for the New York firm of Videospex (anchoring the annual Tournament of Roses parade from California). For two years, he was a consultant for the Winston-Salem based Public Relations company of James A. Fyock & Associates, and he taught television for several years at High Point University.

Roy Neal lives with his wife, Pat, in High Point, North Carolina. They have two grown sons. David Neal is a Producer for NBC Sports in New York, whose credits include being Coordinating Producer of the Olympics coverage in Spain and Atlanta. Mark Neal is an Independent Television Producer who is currently working on several productions in North Carolina.

*"Exploration
is really the
essence of
the human
spirit."*

*Frank Borman
Former Astronaut in a
speech before Congress
January 10, 1973*

We at

MRI Computer Services

honor former President

George H.W. Bush for his enthusiastic

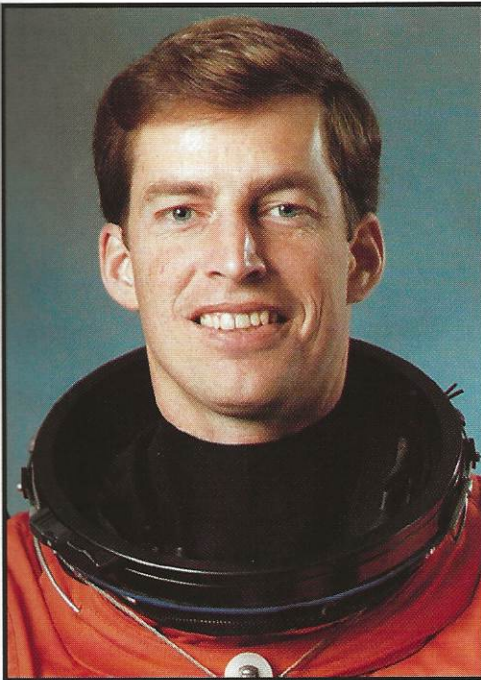
interest in future exploration into space and

continued support of the U.S. space program.

Configuration Management • System Engineering
281-333-2555

 MRI COMPUTER
SERVICES

PRESENTING THE STELLAR AWARDS



Jim Wetherbee

NASA Photo

Canadian Julie Payette and American Jim Wetherbee will present the 1998 Stellar Awards for Space Achievement.

From Montreal, Quebec, Julie Payette holds an International Baccalaureate (1982) from the United World International College of the Atlantic in South Wales, UK, a Bachelor of Engineering (1986) from McGill University in Montreal, and a Master of Applied Science from the University of Toronto (1990). She worked for IBM before selection as a Canadian astronaut in 1992, then was a technical advisor on the Mobile Servicing System, the Canadian contribution to the International Space Station. She also served on the NATO International Research Study Group on speech processing. She speaks six languages.



Julie Payette

NASA Photo

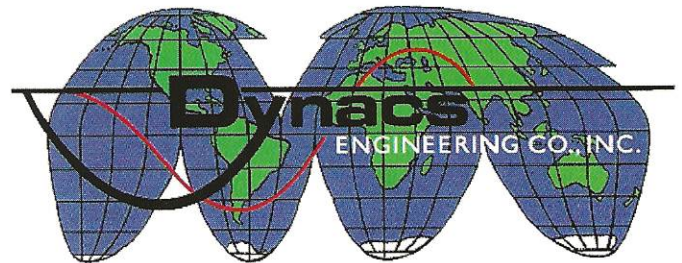
A member of the Astronaut Class of 1996, Payette is currently training for eventual assignment as a shuttle mission specialist. She has a multi-engine commercial pilot license, has logged over 120 hours of reduced gravity flight time aboard parabolic aircraft, and belongs to the Ninety Nines, a women pilots organization.

Married to François Brissette, Payette plays piano and is an accomplished international vocalist. She enjoys triathlon, skiing, racquet sports and scuba diving.

From Flushing, New York, Captain James D. Wetherbee, USN, has a bachelor's degree in Aerospace Engineering from the University of Notre Dame (1974). A graduate of Naval Test Pilot School, he has logged over 5,000 hours flying time and 345 carrier landings in 20 different types of aircraft. He was selected as an astronaut in May, 1984.

Wetherbee has logged over 955 hours in space. He was the pilot on STS-32 (1990) which deployed the Syncom IV-F5 satellite and retrieved the Long Duration Exposure Facility. He commanded STS-52 (1992) which deployed the Laser Geodynamic Satellite, and STS-63 (1995), the first joint flight of the Russian-American Space Program which included a rendezvous with the Russian Space Station, *Mir*. He also commanded STS-86 (1997) which included the exchange of U.S. crew members Mike Foale and David Wolf on *Mir* plus a spacewalk by Scott Parazynski and Vladimir Titov.

Wetherbee is currently Deputy Director of the Johnson Space Center. He and his wife Robin have two children. He enjoys tennis, skiing, softball, running, and music.



Dynacs proudly salutes

**President George Bush
for his commitment to America's
space program**

**Dynacs Engineering Company, Inc.
1110 Nasa Road One, Suite 650
Houston, Texas 77058**

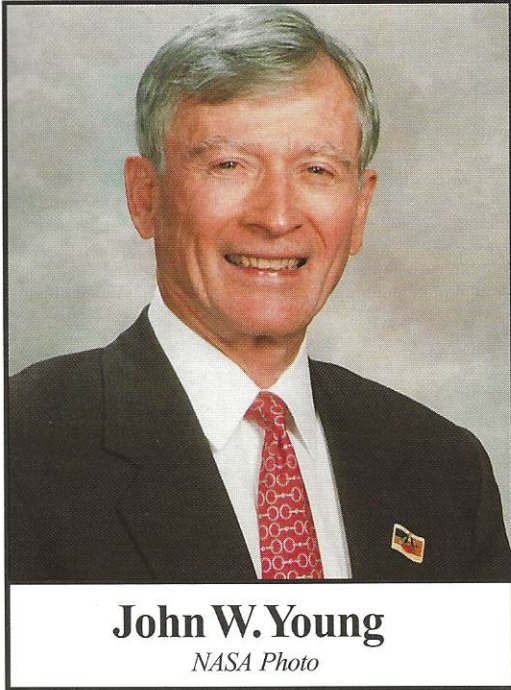
*Northrop Grumman Congratulates
President George Bush for His
Outstanding Service to Our
Country and Continued Support
of Aerospace Exploration.*



"The Strength to Deliver"

NORTHROP GRUMMAN

PRESENTING THE NATIONAL SPACE TROPHY



John W. Young

NASA Photo

John W. Young, an astronaut since 1962 and a veteran of six space flights, will present this year's National Space Trophy to President Bush.

Young is currently the Associate Director (Technical) of Johnson Space Center. He shares the record for most space flight missions and is the only human to fly in every US spacecraft since Mercury. He traveled to the Moon twice and is one of only twelve humans to walk its surface to date. A 'test pilot's test pilot,' Young commanded the inaugural flight of the Space Shuttle, and throughout his career, has logged more than 13,500 hours flying time in props, jets, helicopters, rocket jets, and spacecraft, including 835 hours in space.

Young was born in San Francisco, California, graduated from Orlando High School in Florida; and received a bachelor of science degree in aeronautical engineering with highest honors from Georgia Institute of Technology (1952).

Young entered the United States Navy and served on the west coast destroyer USS LAWS (DD-558), was sent to flight training, and then assigned to Fighter Squadron 103 for four years, flying Cougars and Crusaders. After test pilot training at the U.S. Navy Test Pilot School in 1959, he was assigned to the Naval Air Test Center for three years. In 1962, he set world time-to-climb records to 3,000-meter and 25,000-meter altitudes in the Phantom. Young retired from the Navy as a Captain in September 1976.

Young was selected as one of the second group of astronauts in September 1962. The first of his class to fly, he joined Gus Grissom on the first manned Gemini mission, Gemini 3, on March 23, 1965. They completed an end-to-end test of the Gemini spacecraft, with Young operating the first computer on a manned spacecraft.

On Gemini 10 in July 1966, Commander Young and Pilot Michael Collins completed rendezvous with two separate Agena target vehicles and, while docked, used the Agena main engine to boost their orbit to a then-record 475 miles.

In May 1969, Young was Command Module Pilot of Apollo 10, the lunar landing dress rehearsal. Young docked the command module *Charlie Brown* with the lunar lander *Snoopy* carrying crew mates Tom Stafford and Gene Cernan.

In April 1972, John Young returned to the Moon with crew mates Charlie Duke and Ken Mattingly. Young and Duke collected almost 200 pounds of lunar rocks and drove over 16 miles in the lunar rover on three separate traverses.

Young's fifth flight was as Commander of the first flight of the Space Shuttle, April 12-14, 1981, with Bob Crippen as Pilot. The Orbiter Columbia was the first manned spaceship tested during ascent, on orbit, and entry without benefit of previous unmanned missions. Young and Crippen verified more than 130 test objectives of the new spaceship before a historic landing on the Edwards Air Force Base dry lake bed.

Young's sixth flight was as Commander of STS-9, the first Spacelab mission, November 28-December 8, 1983. Spacelab, built by the European Space Agency, included the first non-US payload specialist, West Germany's Ulf Merbold. Working for ten days in two shifts around the clock, the STS-9 crew returned more scientific and technical data than all the previous Apollo and Skylab missions put together.

Young served as Chief of the Astronaut Office from 1974 until May 1987. During his tenure, astronaut flight crews participated in the Apollo-Soyuz joint American-Russian docking mission, the Space Shuttle Orbiter Approach and Landing Test Program, and 25 Space Shuttle missions.

From May 1987 to February 1996, Young served as Special Assistant to the Director of JSC for Engineering, Operations, and Safety. In February 1996 Young was assigned to his current position as Associate Director (Technical). He is responsible for technical, operational and safety oversight of all Agency Programs and activities assigned to the Johnson Space Center. As an active astronaut, Young remains eligible to command future Shuttle astronaut crews.

Young has been honored with nearly 100 prestigious aerospace awards, including four honorary doctorate degrees and the RNASA Foundation's special Corona Award for lifetime achievement. He is one of only ten astronauts to receive the Congressional Space Medal of Honor which was awarded to him in 1981 by President Reagan and Vice President Bush. He has also received numerous NASA medals for distinguished service, outstanding leadership and achievements. He earned two Navy Distinguished Service Medals and three Distinguished Flying Crosses. Young is the recipient of the American Astronautical Society Space Flight Award and was inducted into the National Aviation Hall of Fame in 1988.

Rotary National Award for Space Achievement

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Electronics, Grumman Corp.

David (Dave) H. Ward
Reporter, KTRK-TV Channel 13

James R. Wilson
Chairman, CEO,
Thiokol Propulsion

Note: Individuals listed without affiliations serve the Board in their personal capacities only.

The constellation Orion is backdropped against a colorful display of the Southern Lights in a photo taken by STS-59 astronauts in April, 1994.

1998 Rotary National Award for Space Achievement
12th Annual *Dreams to Destiny* Banquet Program

Friday, March 6, 1998

6:30 - 7:30

Reception

7:30

Welcome

Jack R. Lister/Chairman, RNASA Foundation

Presentation of the Colors

Houston Naval Reserve Center

National Anthem

Thom Hemans, soloist

Invocation

Father Dominic Pistone, Saint Paul's Catholic Church

Dinner

8:30

Video Introduction

Master of Ceremonies

Roy Neal

Presentation of the Space Communicator Award

Peggy C. Wilhide, NASA Associate Administrator for Public Affairs

Presentation of the Stellar Awards

Canadian Astronaut Julie Payette, Captain James D. Wetherbee, USN/NASA Astronaut,
and NASA Administrator Daniel S. Goldin

Presentation of the National Space Trophy

John W. Young, Associate Director (Technical), NASA Johnson Space Center

Closing

Coffee Hour

Hosted by Boeing, Lockheed Martin, and United Space Alliance



STELLAR AWARD RECENT GRADUATE NOMINEES

✓ **William R. Chastain** - Commitment to excellence and customer satisfaction as lead for Laboratory Operations providing support to the Biomedical Hardware Development and Engineering Office - Lockheed Martin

✓ **Rodolfo A. Gonzalez** - Flight control system development and failure detection algorithm for the Autonomous Extra-Vehicular (EVA) Robotic Camera (AERCam) Sprint project - NASA/Johnson Space Center

Timothy Hagin - High quality Data Processing System/Navigation instruction to astronaut crews and flight controllers - United Space Alliance

✓ **Capt. James R. Hunter, USAF** - Development of the first detailed space-campaign analysis model to measure space systems worth to ground and air forces as lead of the Space and Missile Systems Center's Space Based Concepts Analysis Team at Los Angeles Air Force Base - U. S. Air Force

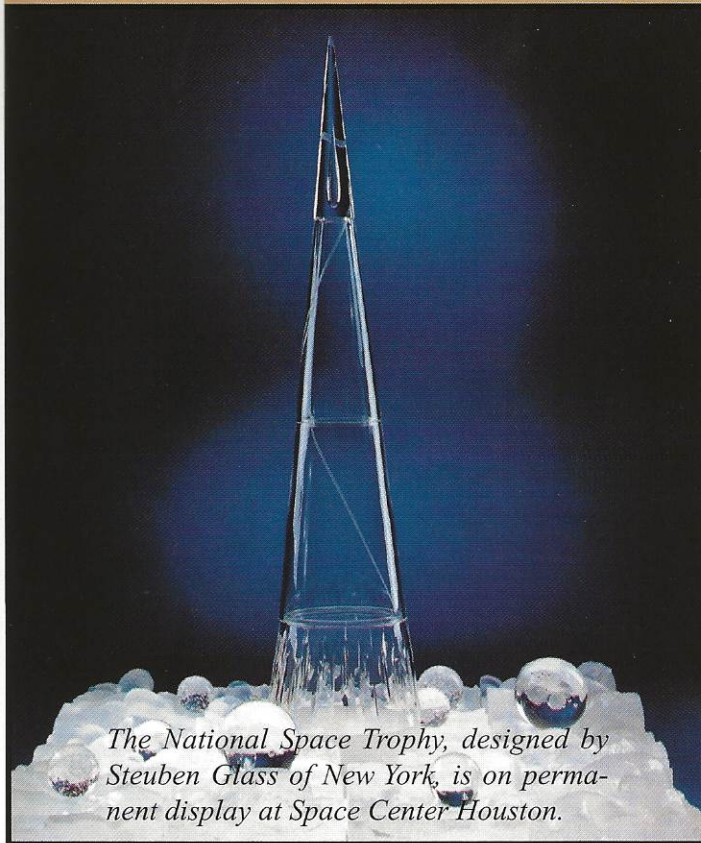
✓ **David H. Korth** - Demonstration and validation of the effectiveness and suitability of International Space Station Operations Planning tools and processes including the concept of joint Russian/U. S. planning operations - Barrios Technology, Inc.

Mark A. McDonald - International negotiations regarding Space Shuttle navigational accuracy, production of the Postflight Attitude and Trajectory history for the STS-72 Japanese Space Flyer Unit payload, and for acquiring certifications in three flight controller positions - United Space Alliance

✓ **John Chris Scott** - Successful management of Mission Control Center support of Space Shuttle flight operations and delivery of International Space Station capabilities into the Mission Control Center - Lockheed Martin

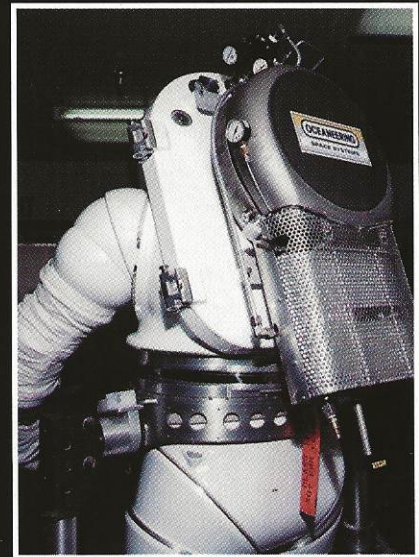
Earthrise as seen by Apollo 16 astronauts in 1972. NASA Photo, courtesy Lunar and Planetary Institute.

THE NATIONAL SPACE TROPHY



The National Space Trophy, designed by Steuben Glass of New York, is on permanent display at Space Center Houston.

**Congratulations Former President George Bush
Your Initiative for Planetary Space Exploration
Continues Forward in the Testing
of New Systems ...**



***Congratulations
to former President
George Bush!***

***Your outstanding support and
commitment to our nation's space
program has been a driving force
in furthering our exploration
of space and in the development
of international partnerships
which are leading human presence
in space into the next millenium.***

GHG Corporation

**"When we break through barriers
of the unknown, we not only help
ourselves, we learn a lot more
about ourselves."**

*President George Bush
Remarking to the Young Astronaut Council
January 24, 1992*



 **Hernandez
Engineering Inc.**

STELLAR AWARD EARLY CAREER NOMINEES

Brian L. Anderson - Application of creative, cost-saving, and schedule accelerating leadership, technical ability and people skills in designing, developing, and delivering X-38 avionics - NASA/Johnson Space Center

✓ **Jeff W. Bantle** - Improvements to Shuttle ascent/entry operational procedures and safety and significant cost-savings to Shuttle support network operational costs - NASA/Johnson Space Center

Dr. Michael R. Barratt - Development of new procedures and protocols that set the stage for all future international missions in the areas of crew health, countermeasures and monitoring support, medical training and environmental health - NASA/Johnson Space Center

✓ **Dr. Matthew R. Barry** - Demonstrations of automation, expert systems and distributed computing concepts and technologies to improve safety and reduce costs of space operations - United Space Alliance

Dr. Todd J. Beltracchi - Development of reentry analysis tools and software that significantly enhance tracking and processing reentry events in real-time - The Aerospace Corporation

Radel L. Bunker - Methodologies for characterizing blast environments produced by liquid hydrogen/oxygen explosions and for Cassini hypergolic and cryogenic propellant studies - NASA/Johnson Space Center

Peter J. Cerna - Establishment of the formal International Space Station command and telemetry format building process - NASA/Johnson Space Center

Stanley R. Donahoe - Project leadership and engineering expertise for development and implementation of critical Space Shuttle systems - NASA/Johnson Space Center

Marybeth A. Edeen - Demonstration of the use of biological systems for advanced life support systems - NASA/Johnson Space Center

Capt. Samuel H. Epperson, Jr., USAF - Authorship of first Space and Air Implementation Plan to bring space support to theater air operations throughout the world - U. S. Air Force

Steve M. Fitzgerald - Conception of a new paradigm for ram-air parachute testing and development using miniature wireless data systems - NASA/Johnson Space Center

Kimberly Gavaletz - Leadership in mission system software engineering supporting the development and maintenance of software functionality for the Johnson Space Center's Mission Control Center - Lockheed Martin

Steven A. Gonzalez - Science Center project implementation to support high rate science data processing for Shuttle payloads - NASA/Johnson Space Center

Kathryn L. Lueders - Improvements in the White Sands Test Facility processes that reduce turnaround times, increase product qualities and reduce Shuttle program costs - NASA/Johnson Space Center

Nigel J. Packham - Evaluation of regenerative and recyclable technologies needed to develop a closed-loop life support system for long-duration human space flight - Lockheed Martin

✓ **Karen D. Pickering** - Technical leadership of the Phase III Lunar-Mars Support Test Program regenerative life support systems test - NASA/Johnson Space Center

Michelle A. Rucker - Development of inexpensive standardized hypervelocity impact tests to assist spacecraft designers to quickly and cost-effectively evaluate candidate shielding and thermal protection materials - NASA/Johnson Space Center

Ronald S. Smith - Development of an integrated International Space Station caution and warning environment for engineering analysis and crew training - Dynacs Engineering Company, Inc.

Charles M. Stegemoeller - Integration of the U. S. scientific hardware into the Russian Spektr module and Progress vehicles in support of the International Space Station Phase 1A program - NASA/Johnson Space Center

✓ **Kerry Switzer** - Leadership in the International Space Station Pressurized Mating Adaptor design, manufacturing, and test - The Boeing Company

Clark J. Thompson - New technology, products, and systems development for transporting unpressurized cargos to the International Space Station, real-time extensions of Internet to low earth orbit and a modular pressurized logistics transport system - SPACEHAB, Inc.

Steven P. Weismuller - Development of new software technologies for the space program including the World Wide Web software, parsing programs for display migration, real-time operating system applications for on-board systems and flight computer emulators for desktop training - United Space Alliance

Kenneth A. Wong - Development of an advanced concurrent engineering process and configuration control methodology for a faster, better, cheaper, multinational manned spacecraft airframe design - NASA/Johnson Space Center

Yogi High Resolution Image -- processed by Dr. Timothy Parker, JPL. "Yogi" is a meter-sized rock near the Mars Pathfinder lander, and was the second rock visited by Sojourner in July, 1997.

**Congratulations and Best Wishes
to Former President
George Herbert Walker Bush.
May you continue to push the envelope
well into the next millennium.**



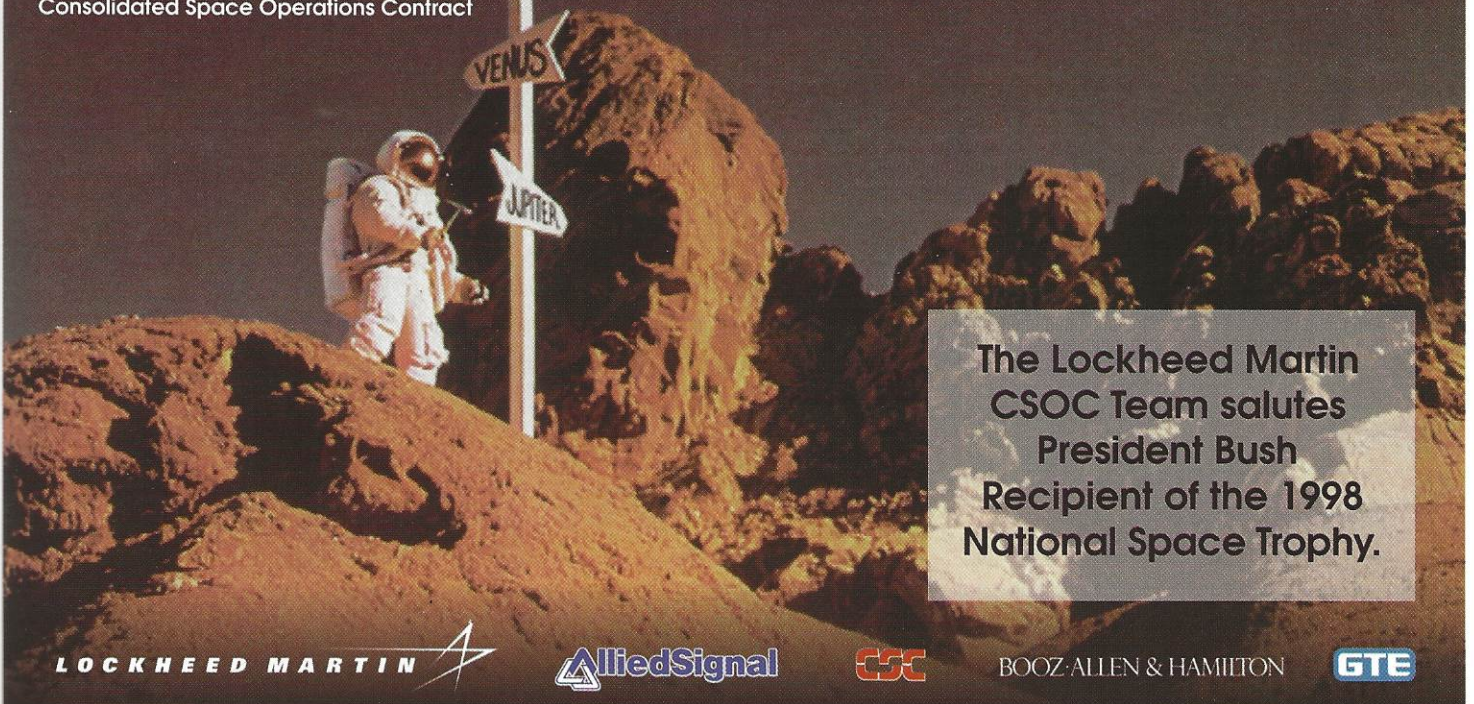
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STELLAR AWARD MID-CAREER NOMINEES

CDR Austin Walker Boyd, Jr. USN - Design and implementation of a space system to prevent friendly fire in combat, micro-miniature space-based tracking systems and military satellite communications requirements and standards - Naval Space Command

Robert Byington - Elegant concept formulations and software systems engineering designs for spacecraft systems - The Boeing Company

Capt. Frank L. Culbertson, Jr., USN (ret.) - Planning and execution of U. S. scientific investigations aboard *Mir* Space Station, responses to potentially serious threats to crew safety, actions to maintain value of the research program and the strengthening of NASA's relationship with the Russian program - NASA/Johnson Space Center

Steven M. Del Basso - International Space Station microgravity levels that will enable critical scientific pursuits in such fields as materials, medical and combustion dynamics research - The Boeing Company

Ronald D. Dittmore - Design, development, certification and operation of Space Shuttle equipment, Remote Manipulator System, flight software and flight crew equipment - NASA/Johnson Space Center

David Gill - Evaluation of International Space Station SSQ connectors during Weightless Environment Test Facility and flight testing, resolving SSQ connector design and production problems, and ensuring connector deliveries to Russia on schedule - The Boeing Company

Dr. John Golden - Development and demonstration of the International Space Station meteoroid/debris shield thermal coating processes, International Space Station materials and processes requirements, and Long Duration Exposure Facility experiments - The Boeing Company

Juliette Hawley - Development and implementation of a process improvement to make the logistics of correspondence tracking, translation, and distribution more efficient - The Boeing Company

Clifford W. Hess - Robotic hand and arm development for space applications and for handicapped people, and development of the Simplified Aid for EVA Rescue maneuvering system - NASA/Johnson Space Center

Hubble image of Jupiter -- created with support to Space Telescope Science Institute, operated by the Association of Universities for Research in Astronomy, Inc., from NASA contract NAS5-26555. Reproduced with permission from AURA/STScI. Digital renditions of this image are obtainable royalty-free.

Steven G. Labbe - Development of an enhanced X-38 aerodynamic reentry configuration and verification plan - NASA/Johnson Space Center

Becky Little - Successful delivery of Space Station Training Facility products for the International Space Station - Raytheon Systems, Co.

John F. Muratore - Innovative management approaches to designing and building human spacecraft for significantly lower costs than traditional approaches - NASA/Johnson Space Center

Dr. Ramen P. Singh - Advancement in the modeling and simulation of space systems and leadership in Small Disadvantaged Business contracting - Dynacs Engineering Company, Inc.

J. Craig Stencil - Architecture of International Space Station international agreements, successful agreement negotiations, and development of NASA's Joint Management Plans with International Space Station International Partners and participants - NASA/International Space Station Program

David Y. Stodden - Creation and development of the Satellite Orbit Analysis Package, a low cost personal computer orbital analysis and visualization system - The Aerospace Corporation

Joel M. Stoltzfus - Leadership in the development of fundamental understanding of the ignition and combustion of metals and alloys in oxygen - NASA/White Sands Test Facility

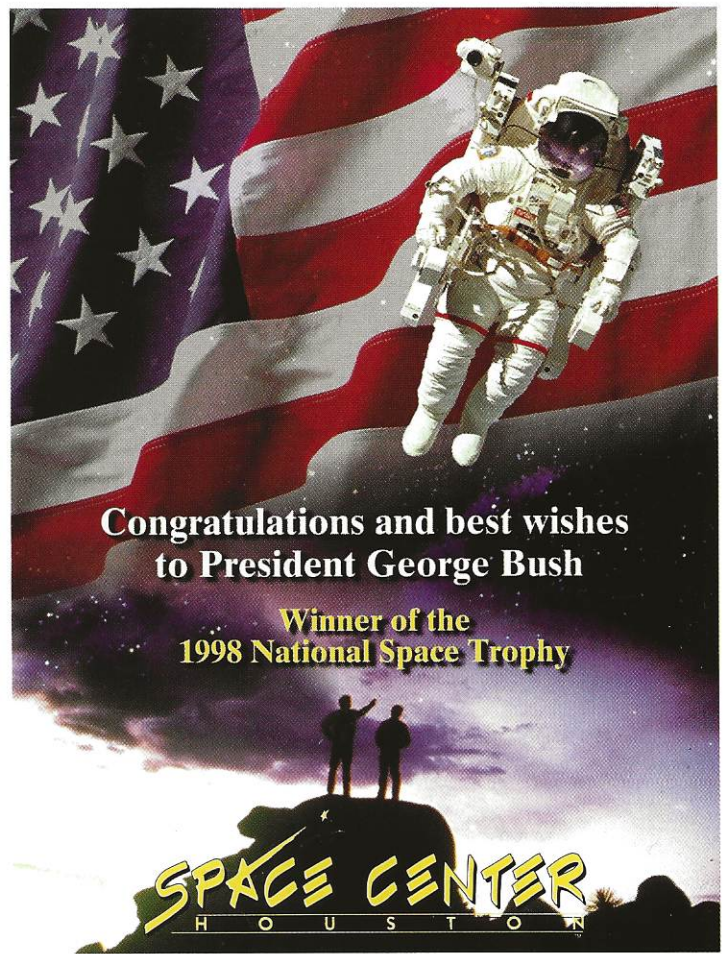
Larry Tanner - Successful transition of Russian technology to make the Atlas IIAR a viable program, and development of the new RD-180 engine - Pratt and Whitney

John Trammell - Architecture and successful implementation of the Global Broadcast Service for Naval Space Command and U.S. Navy, major policy planning decisions, and space support to U.S. Naval and Joint forces - Naval Space Command

James L. Warnix - Acoustical analysis of crew related noise problems and solutions related to mission habitability for the Orbiter Project, Shuttle, International Space Station, and NASA/Johnson Space Center's Medical Sciences Division - Lockheed Martin

Craig K. Wood - Expertise in foreign space and ballistic missile systems that focused development of the Space Based Infrared System, a system that will provide missile attack warning to the U. S. and its allies into the next century - U. S. Air Force

Gail Workman - Contributions to space strategy, policy, roles and missions, and clear, expert and experienced advocacy of Naval Warfighter requirements in space - Naval Space Command



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Thank you,
President Bush,
for your
contributions to
America's Space
Program.

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STELLAR AWARD LATE CAREER NOMINEES

James R. Carl - Antenna, communication, and radar systems designs and innovative applications of electromagnetic techniques for space, medical and other development projects - Lockheed Martin

George R. Carruthers - First measurement of interstellar hydrogen and the first optical observatory on the Moon - Naval Research Laboratory

Carroll C. Hayden - Development, operation, maintenance, and improvement of the Navy's Space Surveillance system or "fence" used to predict potential collisions with orbital debris for manned and unmanned space flight - Naval Space Command

James T. Hazelton - Planning, execution and scheduling for all Kennedy Space Center's Shuttle flight hardware operations - United Space Alliance

Gerald Hoskins - Development, production, launches, and operation of U.S. Navy Transit Satellites; development of the Trident II submarine navigation system; and technical leadership of the Space Based Wide Area Surveillance initiative; space demonstrations of remote sensing science and technology; and sustained outstanding leadership of junior scientists and engineers - Naval Research Laboratory

Gary W. Johnson - Protocols and documentation for accessing/processing safety issues between American and Russian systems, ensuring the safety of crew members, and laying a foundation for an International Space Station Russian/American safety interface - NASA/Johnson Space Center

Rae C. Martel - Conception and development of NASA's Small Disadvantaged Business (SDB) High-Tech Quarterly Forum; policy and implementation guidance for NASA's Mentor-Protégé Program; and NASA's Socioeconomic Training - NASA/HQ

Alexander A. McCool - Development of propulsion systems for early U.S. space launch vehicles and management and performance of the Space Shuttle main propulsion system including main engines, solid rocket boosters, reusable solid rocket motors, and external tanks - NASA/Marshall Space Flight Center

Tom Webb - Design, manufacture, test and integration of the International Space Station electronics and leadership in counseling and mentoring young engineers - The Boeing Company

Uranus as seen by Voyager 2 on January 28, 1986. Image courtesy NASA/JPL and the Lunar and Planetary Institute.



Johnson Engineering congratulates

President George Bush

**recipient of the 1998 National Space Trophy
for his outstanding contributions to
the exploration of the next frontier.**

STELLAR AWARD TEAM NOMINEES

AUTONOMOUS EVA ROBOTIC CAMERA (AERCam) SPRINT DEVELOPMENT TEAM

NASA/Johnson Space Center

Successful development of a "proof-of-concept" remotely-controlled, free-flying camera system and demonstration of its capabilities during a flight test on STS-87.

EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM OFFICE

Department of the Air Force

Development of a national, dual space launch system capable of meeting both government and commercial launch requirements.

FUNCTIONAL CARGO BLOCK (FGB) INTEGRATED PRODUCT TEAM

The Boeing Company

Managing the technical development and integration of the FGB into the International Space Station program.

MIR SPEKTR COLLISION RECOVERY TEAM

Lockheed Martin

Devising and implementing a disaster recovery plan that helped save valuable science and laid the groundwork for future on-orbit contingency planning.

MISSION OPERATIONS DIRECTORATE PHASE 1 TEAM

NASA/Johnson Space Center

Enhanced organizational Shuttle and International Space Station learning opportunities.

MOTOROLA'S RAPID SPACECRAFT DEVELOPMENT TEAM

Motorola

The launch of 46 satellites in eight months from three different continents and on three different boosters.

NASA/JPL MARS PATHFINDER TEAM

NASA/Jet Propulsion Laboratory

Accomplishing the mission of landing robotic spacecraft on Mars and proceeding to explore the local Martian surface.

NAVAL SPACE SUPPORT TEAM

Naval Space Command

Integration of space systems as a viable part of the warfighter's tool kit ensuring maximum benefit from space as a critical force multiplier through detailed education and training.

90-DAY CLOSED CHAMBER LUNAR/MARS SUP- PORT TEST CREW

NASA/Johnson Space Center

Ground-based life support tests demonstrating the feasibility of regenerative life support systems technology for extended space missions.

PARENTS, KIDS, COMPUTERS AND SCIENCE PROGRAM

The Boeing Company

Instruction in basic computer and science concepts to junior high students who do not have the benefit of computers at home, encouraging "at-risk" young people to stay in school, and stimulating student interest in science and technology.

Artist's concept of the view from the Milky Way if it collides with the Andromeda galaxy. Image by James Gitlin of the Space Telescope Science Institute, reproduced with permission from Association of Universities for Research in Astronomy, Inc. (AURA)/STScI. Digital renditions are obtainable royalty-free.

STELLAR AWARD TEAM NOMINEES

PHASE 1 PLANNING DEMONSTRATION TEAM

Barrios Technology, Inc., NASA/Marshall Space Flight Center, Russian Space Agency, United Space Alliance

Early operational testing of globally integrated planning tools being developed for the International Space Station program.

SPACE STATION TRAINING FACILITY (SSTF) TEAM

Raytheon Systems Company

Demonstrating the feasibility of conducting real-time mission rehearsal training from a remote location such as Russia or onboard the International Space Station.

RELIABILITY AND MAINTAINABILITY ENGINEERING TEAM

Hernandez Engineering, Inc.

Statistical models of the Marshall Space Flight Center's Shuttle elements modularized at the component level.

STS-80 MAIN PROPULSION SYSTEM HAZARDOUS GAS TEAM

United Space Alliance

Real-time plan to safely circumvent a hydrogen leak problem with less than one minute to go before the launch of Columbia on STS-80.

SPACELIFT OPERATIONS BRANCH TEAM

Headquarters United States Air Force

Development of the Launch Queue Allocation and Scheduling Policy.

SYSTEMS EFFECTIVENESS ANALYSIS SIMULATOR (SEAS) DEVELOPMENT TEAM

Department of the Air Force, Headquarters Space and Missile Systems Center

A two-sided, reactive, stochastic combat model which provides approximate, quantitative sensitivity of battle outcomes to information system Measures of Performance.

SPACE OPERATIONS CENTER (SPOC) TEAM

United States Space Command

Providing 24-hour global and geographical space situational awareness to military and government organizations requiring space support.

TETHER PHYSICS SURVIVABILITY (TiPS) TEAM

Naval Research Laboratory

Achievement in understanding the dynamics of tethered spacecraft and establishing a new class of spacecraft for future operations.

SPACE SHUTTLE RISK MODEL TEAM

NASA/Headquarters

State-of-the-art advances in computer-assisted quantitative or probabilistic risk assessment which will be used to assess the risk benefits of proposed safety upgrades to the Space Shuttle.

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The Rotary National Award for Space Achievement (RNASA) Foundation was established in 1985 by the Space Center Rotary Club to organize and coordinate an annual awards event to recognize outstanding achievements in space and create greater public awareness of the benefits of space exploration.

The RNASA Foundation expresses its appreciation to the following organizations for assistance in planning and conducting the 1998 Awards Banquet:

Barrios Technology, Inc.

The Boeing Company

Clear Lake Area Economic Development Foundation

Johnson Engineering

Johnson Space Center

Lockheed Martin

Space Center Houston

United Space Alliance

We also wish to thank the following distinguished individuals for their assistance in judging this year's Stellar Award nominees:

Pete Aldridge

Aaron Cohen

Chris Kraft

Bill Muhlberger

Each year, people who have made a preeminent contribution to space exploration are nominated by government, industry, professional organizations, and individuals. A ballot is voted upon by the Foundation's Board of Advisors (page 12), leaders intimately involved in the space program. These confidential votes are tabulated by an independent accounting firm. The winner is presented with the National Space Trophy.

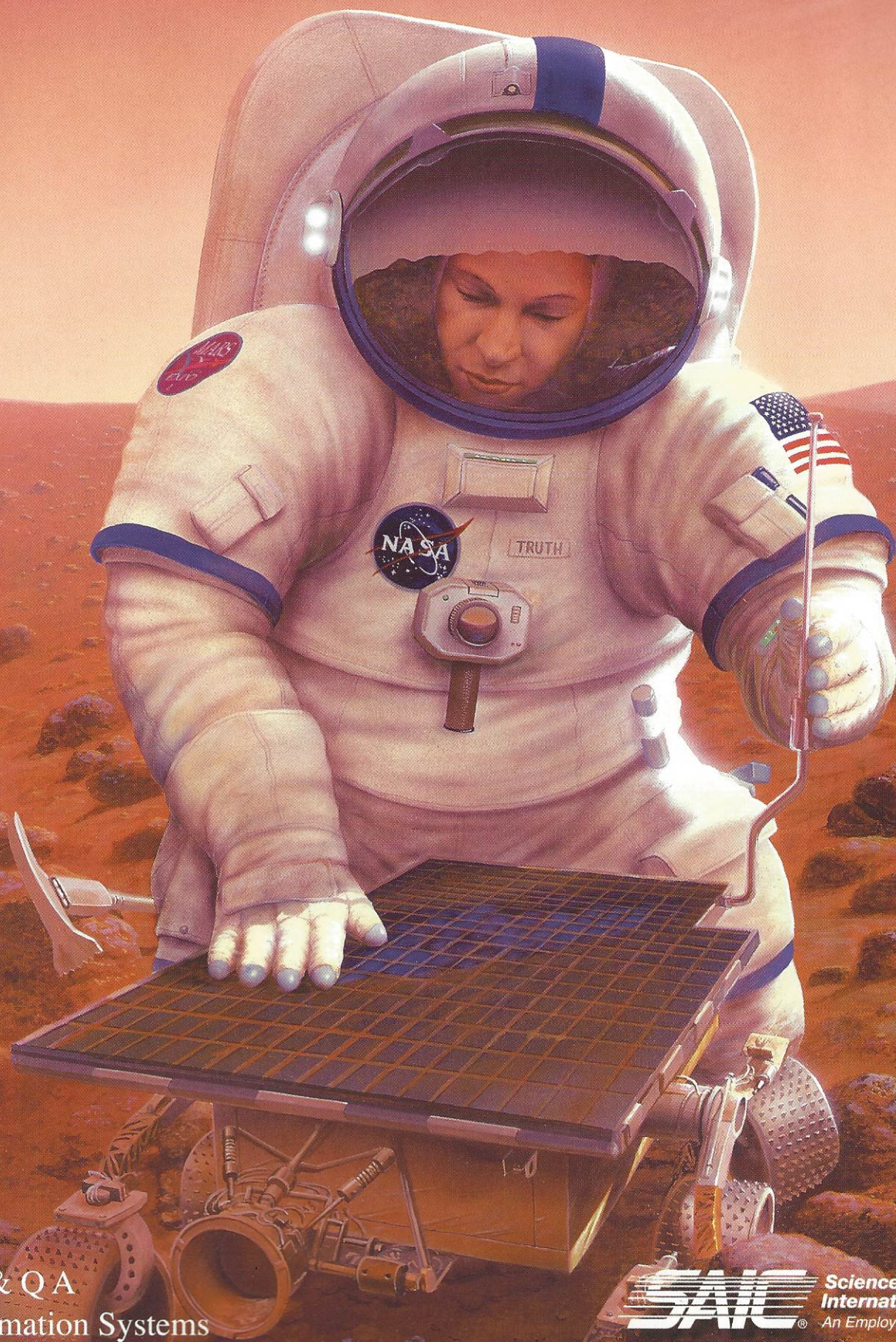
Nominations for Stellar Awards for individual and team achievements were also solicited from NASA, the military, and industry leaders. In order to ensure recognition of individuals at all stages of their careers, nominations were solicited for four categories: recent graduates (under age 28), people in their early careers (29 to 40), mid-career employees (41-55), and late-career employees (over 56). The nominations (pages 14-22) were reviewed by a panel whose decisions were based on which accomplishments hold the greatest promise for furthering future activities in space.

The Foundation also selects individuals or groups for recognition via special awards such as this year's Space Communicator Award (page 11). The Space Communicator Award is given to a professional communicator who has made an important contribution to the public's understanding of and appreciation for the accomplishments of the American space program. This category extends to communicators of all varieties including journalists, government public affairs professionals, industry public relations professionals, broadcasters, publishers, and public figures.

The RNASA Foundation is a nonprofit organization supported by sales of banquet tickets and program book advertisements. Proceeds remaining after expenses from this year's event will be donated to an organization involved in aerospace education. Last year, the RNASA Foundation donated \$10,000 to the Challenger Center of Arlington, Virginia in honor of Johnson Space Center Director George Abbey, the 1997 recipient of the Trophy.

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JSC Exploration Office Artwork by Pat Rawlings/SAIC

We must have a manned space station;
a vigorous, safe space shuttle program;
and more commercial development in space.
The space program should always go full-
throttle up. And that's not just our ambition;
it's our destiny.

President George Bush



United Space Alliance salutes George Bush for his
unwavering support of the Space Shuttle program.

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