

San Fernando Valley Engineers' Council

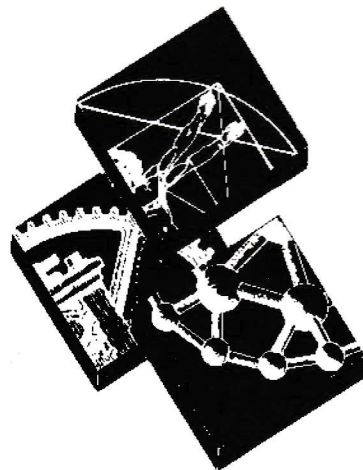
San Fernando Valley, California

39th Anniversary

1994

HONOR AWARDS GALA BANQUET SOUVENIR PROGRAM

HONORARY ENGINEER OF THE YEAR
DR. WILLIAM J. PERRY
SECRETARY OF DEFENSE



In Celebration of
National Engineers Week

Saturday, February 26, 1994

*A message from the
President of the United States*

**National Engineers Week
February 26, 1994**

THE WHITE HOUSE
WASHINGTON
December 2, 1993

As business people, government officials, students, and scholars gather together to celebrate National Engineers Week 1994, we all recognize the integral role that engineers play in shaping this country's future.

The end of the Cold War and the opening of trade opportunities around the world have helped to bring within our reach a new era of cooperation and development. With renewed energy, this generation of thinkers and builders must continue to fulfill its primary mission of "turning Ideas Into Reality" if America is to maintain a leading role among nations.

Already, our engineers are working to face the major technological challenges of our time -- from rebuilding towns devastated by natural disasters to designing an information superhighway that will speed our country into the twenty-first century. They are encouraging our young math and science students to realize the practical power of their knowledge. As we strive to meet the health care needs of all our citizens, engineers are helping to ensure that America provides the highest quality health care services available anywhere in the world.

Indeed, America's engineers have much to celebrate. As we look toward the dawn of this new era, the innovative spirit of our nation's engineers leads the way to a brighter future for all of us.

Bill Clinton

San Fernando Valley Engineers' Council

1955 *A Brief History* 1994

Founded in 1955 through the joint efforts of the California Society of Professional Engineers, the American Institute of Plant Engineers, the Society of Manufacturing Engineers and the Institute of Electrical and Electronic Engineers, the San Fernando Valley Engineers' Council has celebrated National Engineers Week, a national week of recognition since 1950.

Over the past several years, the Council's activities have grown from a joint meeting of these societies into today's annual awards banquet. These banquets honor deserving professionals whose accomplishments warrant recognition by their peers.

The 1959 banquet was special. The first Engineer of the Year Award was given to Roy E. Marquardt, one of the most respected engineers in the San Fernando Valley. His accomplishments and technical innovations became a benchmark to measure all future candidates for this most prestigious honor.

The next milestone for the Council was in 1970 when the first Honorary Engineer of the Year, William Lear, was selected. Over the past 20 years, a host of nationally known engineers has proudly received this award.

The Peter Recchia Omni Award was added to the list of major awards in 1973. This award is named for Mr. Peter Recchia, a great supporter of engineering in our community and designer of the first award. This trophy is given annually to the Engineer of the Year.

In 1987, General Charles E. (Chuck) Yeager was the first recipient of the "General Charles E. (Chuck) Yeager International Distinguished Aeronautical Achievements Award". This award is given periodically, with General Yeager's approval, to aeronautical engineers who work on a global level.

In 1990 the Council first presented the "William B. Johnson International Interprofessional Founders Memorial Award" to George J. Hallinan from Rocketdyne Div., Rockwell International.

In February 1993 Lockheed Advanced Development Company granted privilege to use both service marks "Skunk Works" and the stylized "Skunk" in our "Clarence L. 'Kelly' Johnson Skunk Works Award" award. The privilege may be granted annually at the discretion of the Lockheed Patent Counsel.

Through the years, the San Fernando Valley Engineers' Council has presented over 700 awards that recognized outstanding contributions by individuals in our community and throughout the world in the fields of engineering, education, special fields of work and public service.

SAN FERNANDO VALLEY ENGINEERS' COUNCIL

San Fernando Valley, California

39th Anniversary
HONORS AND AWARDS GALA BANQUET
Saturday, February 26, 1994

SOCIAL HOUR - 6:00 P.M.

WELCOME- 7:00 P.M.

LLOYD W. HIGGINBOTHAM, FIAE

HIGGINBOTHAM ASSOCIATES

PRESIDENT, SAN FERNANDO VALLEY
ENGINEERS' COUNCIL

SALUTE TO THE FLAG

DINNER

INTRODUCTIONS

LLOYD W. HIGGINBOTHAM, FIAE

PRESENTATION OF AWARDS

LLOYD W. HIGGINBOTHAM, FIAE

KEYNOTE ADDRESS

CLOSING REMARKS

LLOYD W. HIGGINBOTHAM, FIAE

1994 AWARDS & PRESENTATIONS

Special Presentation

William B. Johnson International Interprofessional Founders Memorial Award

Roland V. Roggero, FIAE
Director Facilities Management
Westlake Medical Center
Westlake Village, California
Past-President, San Fernando Valley Engineers' Council

to

Norman Shaffier, PE, FIAE
1922 - 1994

William B. Johnson International Interprofessional Founders Memorial Award

In 1955 Bill Johnson was one of the rounding fathers of the San Fernando Valley Engineers' Council. Bill had an untiring commitment to form and build the Council into a unified and effective body represented by all facets of the engineering and scientific community. His standards and professional aura were to emulate perfection and elegance.

He was laying the groundwork for the younger generation to participate and enjoy the future in leading and influencing the developing international engineering community. Bill was considered the backbone of the Council. He chose giving recognition to outstanding persons as a means of providing a model of excellence.

The William B. Johnson International Interprofessional Founders Memorial Award was established by the San Fernando Valley Engineers' Council to perpetuate the image and memories of Bill, his leadership, methods, fortitude, standards, efforts, and achievements with compassion for others while focusing on bettering the engineering community.

Selection of recipients for the memorial award reflect his image.

Past Recipients

First Presentation was to William B. Johnson, still alive, in 1982.
No further presentations were made until 1990.

George J. Hallinan 1990	Dr. John J. Guarrera 1991	Lloyd W. Higginbotham 1992
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Roland V. Roggero
1993

MERIT AWARDS

OUTSTANDING ENGINEERING ACHIEVEMENTS - 1994

----- PRESENTED IN ALPHABETICAL ORDER -----

DR. JAIME AMPAYA, ENGINEERING SPECIALIST
ADVANCED POWER ENGINEERING
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for significant contributions to the development of Space Power Systems with lighter weight and improved performance"

JAMES E. BAKER, MANAGER R-NIP
Lockheed Advanced Development Company
Palmdale, California

"Recognized for his outstanding contribution and exceptional achievements in using system engineering principles to translate ideas into reality in a complex multidisciplinary environment on the R-NIP Plus Program"

GUS BATEAS, AVIONICS FLIGHT TEST ENGINEER
Northrop B-2 Division
Pico Rivera, California

"Recognized for key contributions in developing the methods and processes for integrating highly complex avionics systems. He is an expert in Radar Navigations and Defensive Avionics Systems"

ROBERT IGNATIUS BAUMGARTNER, CHIEF ENGINEER/PROGRAM MANAGER
SINGLE STAGE TO ORBIT, AEROBALLISTIC ROCKET PROJECT
Lockheed Advanced Development Company
Palmdale, California

"Recognized for his outstanding achievements as a technical innovator and for his advanced design contributions to the Single Stage To Orbit Concept"

RONNARD FREDERIK ARNOLDUS BODEMEIJER, PROJECT MANAGER
HAZARDOUS MATERIALS ELIMINATION TEAM
MATERIALS ENGINEERING AND TECHNOLOGY
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for distinguished leadership in the successful elimination of environmentally hazardous materials from Rocketdyne processes"

THADDEUS (TED) CHWIEDOR, MEMBER OF THE TECHNICAL STAFF
ADVANCED PROPULSION ENGINEERING
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for unique and outstanding contributions to bringing
Rapid Prototyping to reality at Rocketdyne"

DR. EDWARD DOMBOURIAN, PROFESSOR CIVIL ENGINEERING
CIVIL ENGINEERING DEPARTMENT
California State University, Northridge
Northridge, California

"Recognized for outstanding contributions to graduate and undergraduate engineering education
in the fields of applied mechanics, civil and structural engineering"

RON DRAKE, MEMBER OF TECHNICAL STAFF
GTE Government Systems, Westlake Operations
Westlake Village, California

"Recognized for Sustained superior performance in the design, development, and implementation
of complex image processing algorithms"

KRISTOPHER EBBERT, MEMBER OF TECHNICAL STAFF
GTE Government Systems, Westlake Operations
Westlake Village, California

"Recognized for sustained superior performance in the design, integration, and activation of large
scale computer hardware and communications systems"

DR. RAYMOND EDELMAN, PRINCIPAL ENGINEERING SPECIALIST
NATIONAL AEROSPACE PLANE ENGINEERING
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for distinguished contributions to the understanding and development
of ramjet and scramjet hypersonic airbreathing engines"

STAN FISCHLER, TEST OPERATIONS MANAGER
SANTA SUSANA FIELD LABORATORY TEST ENGINEERING
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for distinguished innovations and advancements to the art, science
and technology of rocket engine testing"

ROBERT K. HOSHIDE, PROJECT MANAGER FOR ENERGY PROGRAMS
ENERGY TECHNOLOGY ENGINEERING CENTER
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for distinguished contributions to local, state, and national Energy Conservation
Programs through outstanding technical expertise and personalized teaching and
presentation style"

ZHAOFENG HUANG, MEMBER OF THE TECHNICAL STAFF
SPACE SHUTTLE MAIN ENGINE RELIABILITY ENGINEERING
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding technical contributions in support of reliability engineering,
statistical applications development, and probabilistic risk assessment"

MAIJA HUNTER, ENGINEERING SPECIALIST
SCIENTIFIC COMPUTING
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding contributions to the development and application of curve fitting
algorithms, and numerical control post processors in the field of computer aided design
and manufacturing"

ROBERT J. O'NEILL, PROJECT ENGINEER
Schaeffer Magnetics, Inc.
Chatsworth, California

"Recognized for outstanding contributions to the design and development of the DSPSE
solar array drive system"

RODNEY M. PERCIVAL, PE, LEAD PROJECT ENGINEER
FACILITIES UPGRADING, MAINTENANCE, ENGINEERING AND CONSTRUCTION
Raytheon Service Company
Manhattan Beach, California,

"Recognized for outstanding service to the Federal Aviation Administration, specifically in the
areas of the Direction Finder Implementation Program, and San Francisco Airport power
and fiber optic system upgrade"

**DR. RAMIN ROOSTA, PROFESSOR ELECTRICAL ENGINEERING
ELECTRICAL ENGINEERING DEPARTMENT**

California State University, Northridge
Northridge, California

"Recognized for his contributions to excellence of teaching and research in the field of digital systems design and testing and the establishment of the ASIC Design Laboratory at CSUN"

**JOHN A. SENSBACK, SR. REQUIREMENT SPECIALIST AND
R-2508 TEAM REHOST PROGRAM MANAGER**

Federal Aviation Administration, Western-Pacific Regional Office
El Segundo, California

"Recognized for his outstanding knowledge, skill, and leadership while serving as the FAA's Program Manager for the R-2508 Rehost Program. His efforts resulted in the delivery of a system engineered to meet the current and future department of Defense test mission and FAA National Airspace System requirements"

**DR. JON SHIVELY, PROFESSOR CIVIL ENGINEERING
CIVIL ENGINEERING DEPARTMENT**

California State University, Northridge
Northridge, California

"Recognized for outstanding contributions in mentoring students and expanding undergraduate materials research programs"

**PROFESSOR RONALD D. SMETZER, CMfgE
DEPARTMENT CHAIR, INDUSTRIAL TECHNOLOGY**

L.A. Pierce College
Woodland Hills, California

"Recognized for outstanding contributions and dedicated services to LA Pierce College students showing them the way to engineering careers through Founding of SME Student Chapter #130, arranging plant tours, sponsoring scholarship and SME CAD/CAM contests annually, Curriculum development and Counseling"

**DR. DANIEL J. SOX, ENGINEERING SPECIALIST
ADVANCED OPTICAL SYSTEMS ENGINEERING**

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for distinguished contributions in the field of Nonlinear Optics as evidenced through outstanding performance on the All Optical Imaging Brassboard project"

SCOTT P. STANLEY, MANAGER, ADVANCED DEVELOPMENT ENGINEERING

Schaeffer Magnetics, Inc.
Chatsworth, California

"Recognized for outstanding contributions to the development of space flight motion control devices"

**BRAD STAVE
DESIGN/MANUFACTURING APPLICATIONS PROJECT MANAGER
MANUFACTURING RESOURCE PLANNING (MRP-II) PROJECT TEAM**

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding technical contributions in the development and implementation of an innovative workstation-based, computer-aided manufacturing process planning application"

ELIZABETH F. STUBBS, SOFTWARE INTEGRATION ENGINEER

Northrop B-2 Division
Pico Rivera, California

"Recognized for outstanding contribution to the B-2 Program as a software integration engineer. Her expertise and knowledge in a wide variety of complex processes has been invaluable in developing, qualifying, and certifying flight test software for production air vehicles"

**DAVID F. TAGGART, SENIOR STRUCTURES ENGINEER
DEPUTY PROGRAM MANAGER AND CREATOR DIRECTIONAL LIGHT SPEED PROGRAM**

Lockheed Advanced Development Company
Palmdale, California

"Recognized for his enthusiastic work in expanding the horizons of youth in local communities through exposure to advanced technology industry with the LIGHTSPEED program"

**DR. GEORGE S. THOMAS, VICE PRESIDENT TECHNICAL OPERATIONS
ENGINEERING AND PROGRAM MANAGEMENT**

Schaeffer Magnetics, Inc.
Chatsworth, California

"Recognized for outstanding contributions to the development of enhanced engineering management techniques"

HAPPY K.L. TSUI, SENIOR MANUFACTURING ENGINEER

Schaeffer Magnetics, Inc.
Chatsworth, California

"recognized for outstanding contributions to the design and development of a space flight bearing life test laboratory"

**DAVID M. URIE, PROGRAM MANAGER
LOCKHEED SINGLE-STAGE-TO-ORBIT CONCEPT**

Lockheed Advanced Development Company
Palmdale, California

"recognized for his vision in conceiving of the single-stage-to-orbit vehicle concept and for his success in elevating the program to national prominence"

**DR. JOSEPH VADYAK, LOCKHEED TECHNICAL FELLOW
FLIGHT SCIENCES DIVISION**

Lockheed Advanced Development Company
Palmdale, California

"recognized for outstanding professional qualities and meritorious achievements within the field of engineering in the area of three dimensional computational fluid dynamics methods"

**RETHIA WILLIAMS, MANAGER, MEMBER OF THE TECHNICAL STAFF
MATERIALS ENGINEERING AND TECHNOLOGY**

Rocketdyne Div., Rockwell International
Canoga Park, California

"recognized as rocketdyne engineer of the year for 1993 for her distinguished technical leadership in the advancement and development of selective laser sintering rapid prototyping technology"

**BARRY YAO, ENGINEERING SPECIALIST
SPACE SHUTTLE MAIN ENGINE POWERHEAD TECHNOLOGY, FLIGHT
AND DEVELOPMENT SUPPORT TEAM**

Rocketdyne Div., Rockwell International
Canoga Park, California

"recognized for outstanding technical expertise and sustained exceptional leadership in the field of rocket engine combustion devices design and development"

SPECIAL AWARDS - 1994

DISTINGUISHED ENGINEERING EDUCATOR

DR. JOHN W. ADAMS, PROFESSOR
ELECTRICAL ENGINEERING DEPARTMENT
California State University, Northridge
NORTHRIDGE, CALIFORNIA

DISTINGUISHED UNIVERSITY ADMINISTRATOR

DR. BLEND A WILSON, PRESIDENT
CALIFORNIA STATE UNIVERSITY, NORTHRIDGE
Northridge, California

DISTINGUISHED ENGINEERING ACHIEVEMENTS

----- PRESENTED IN ALPHABETICAL ORDER -----

STEVEN BERROTH, ENGINEER SPECIALIST
B-2 FLIGHT TEST
NORTHROP B-2 DIVISION
Palmdale, California

DR. WALTER L. BLOSS III, RESEARCH SCIENTIST
THE AEROSPACE CORPORATION
El Segundo, California

DR. DALE ANTHONY BREMMER
AEROSPACE EDUCATION SPECIALIST
NASA
Huntsville, Alabama

DR. IRA A. GURA, DISTINGUISHED SCIENTIST
THE AEROSPACE CORPORATION
El Segundo, California

DR. KENNETH C. HERR, MANAGER
THE AEROSPACE CORPORATION
El Segundo, California

M. RUSSELL NESTER
ROCKETDYNE DIV., ROCKWELL INT.
Canoga Park, California

DISTINGUISHED ENGINEERING ACHIEVEMENTS

(Cont.)

DR. ALFRED L. JOHNSON, JR., DISTINGUISHED SCIENTIST
THE AEROSPACE CORPORATION
El Segundo, California

JOHN R. LAUFFER
DEPUTY PROGRAM MANAGER
SPACE STATION ELECTRICAL POWER SYSTEMS
ROCKETDYNE DIV., ROCKWELL INTERNATIONAL
Canoga Park, California

DR. TERRANCE S. LOMHEIM
MANAGER ELECTRO OPTICS SECTION AND LAB
ELECTRO OPTICAL SYSTEMS DEPARTMENT
THE AEROSPACE CORPORATION
El Segundo, California

M. RUSSELL NESTER, Jr., ENGINEER SPECIALIST
ROCKETDYNE DIV., ROCKWELL INTERNATIONAL
Canoga Park, California

ERNEST SCHAEFFER,
PRESIDENT AND GENERAL MANAGER
SCHAEFFER MAGNETICS, INC.
Chatsworth, California

VINCENT J. WHEELLOCK, DIRECTOR
FIELD ENGINEERING AND LOGISTICS
ROCKETDYNE DIV., ROCKWELL INTERNATIONAL
Canoga Park, California

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS - 1994

Digital Theatrical Sound

Terry Beard, President
DIGITAL THEATER SYSTEMS, INC.
Westlake Village, California

R-2508 TEAM REHOST

CHARLES E. IRVING, PROJECT MANAGER
AIR FORCE FLIGHT TEST CENTER
Edwards AFB, California

HIGH FREQUENCY, HIGH RESOLUTION ACOUSTIC MICROSCOPE

DR. ANDREW A. MOULTHROP, SENIOR MEMBER TECHNICAL STAFF
MICHAEL S. MUHA, SENIOR MEMBER TECHNICAL STAFF
THE AEROSPACE CORPORATION
El Segundo, California

LEAP - LIGHTWEIGHT EXO-ATMOSPHERIC PROJECT

ARTHUR H. WEISS, PROJECT MANAGER
RICHARD D. BAILY, CHIEF PROJECT ENGINEER
Rocketdyne Div., Rockwell International
Canoga Park, California

HUBBLE TELESCOPE REPAIR

ACCEPTING: **LARRY L. SIMMONS, PROGRAM MANAGER**
WIDE FIELD/PLANETARY CAMERA
JET PROPULSION LABORATORY (JPL)
PASADENA, CALIFORNIA

ON BEHALF OF:
DANIEL S. GOLDIN, NASA ADMINISTRATOR

AND

THE ENDEAVOUR SHUTTLE CREW

BOWERSON
HOFFMAN
NICOLLIER

AKERS

COVEY
MUSGRAVE
THORNTON

Special Presentation

**Brigadier General Charles E. (Chuck) Yeager
International Aeronautical Achievements Award 1994**

Joseph T. Gallagher, Vice President
TELEDYNE SYSTEMS
Northridge, California

to

Edward C. "Pete" Aldridge, Jr., CEO
THE AEROSPACE CORPORATION
El Segundo, California

Brig. General Charles E. (Chuck) Yeager International Aeronautical Achievements Award

On October 14, 1947 General Yeager became the first man to fly faster than the speed of sound. He also became the first man to fly more than twice the speed of sound. He has flown 183 types of aircraft during his career and has more than 11,000 hours of flight time.

During World War II, General Yeager distinguished himself in aerial combat over France and Germany by shooting down 13 enemy aircraft. He was shot down over German-occupied France but managed to escape capture with the help of the French Maquis.

His subsequent assignments included: test pilot of the Nation's first research rocket aircraft, Commander of the 417th Fighter Squadron, Commander of the First Fighter Squadron, Commandant of the Aerospace Research Pilot School, Commander of the 405th Fighter Wing when he flew 127 missions in South Vietnam, Commander of the 4th Tactical Fighter Wing in Korea during the Pueblo crisis, and Vice Commander of the Seventeenth Air Force after promotion to Brigadier General.

His military decorations and awards include: The Distinguished Service Medal with one oak leaf cluster, The Silver Star with one oak leaf cluster, The Legion of Merit with one oak leaf cluster, The Distinguished Flying Cross with two oak leaf cluster, The Bronze Star Medal with V device, The Purple Heart, Distinguished Unit Citation Emblem with one oak leaf cluster, and the Air Force Outstanding Unit Award Ribbon.

Selection of recipients for this distinguished award reflect a lifetime career of dedication to the progress of aerospace technology.

Special Presentation

Clarence L. "Kelly" Johnson Memorial Lockheed Skunk Works Award 1994

----- by -----

SHERMAN N. MULLIN, PRESIDENT
LOCKHEED ADVANCED DEVELOPMENT COMPANY
Palmdale, California

----- TO -----

MAJOR GENERAL DICK SCOFIELD, USAF
PROGRAM EXECUTIVE OFFICER FOR
BOMBERS, MISSILES AND TRAINERS
The Pentagon, Washington, DC

Kelly Johnson "Skunk Works" Award

Clarence L. "Kelly" Johnson's achievements over almost six decades captured every major aviation design award and made him an aerospace legend. These achievements go back to the 1930s, but he may be best known for organizing the Lockheed Skunk Works in 1943. It started as a small unit of engineering and production specialists to hurriedly create, build and fly the World War II XP-80 jet prototype for the U.S. Air Force. It was the first of many of the world's most advanced aircraft to be produced by the Skunk Works under his leadership.

Kelly played a leading role in the design of more than forty aircraft including the P-38 Lighting, the Constellation transport, the P2V Neptune anti-submarine patrol plane, the record setting F-104 Starfighter, the U-2 reconnaissance aircraft and the SR-71 Blackbird.

He received more than forty aircraft design and achievements awards and honors (several twice). Included are two Collier trophies, two Theodore von Karman Awards, the Wright Brothers Memorial Trophy, two Sylvanus Albert Reed Awards and the Daniel Guggenheim Medal. In 1964, President Lyndon Johnson presented him the nation's highest civilian honor, the Medal of Freedom. President Ronald Reagan honored Kelly Johnson with the National Security Medal in 1983 and the National Medal of technology in 1988. Kelly was enshrined in the Aviation Hall of Fame in 1974.

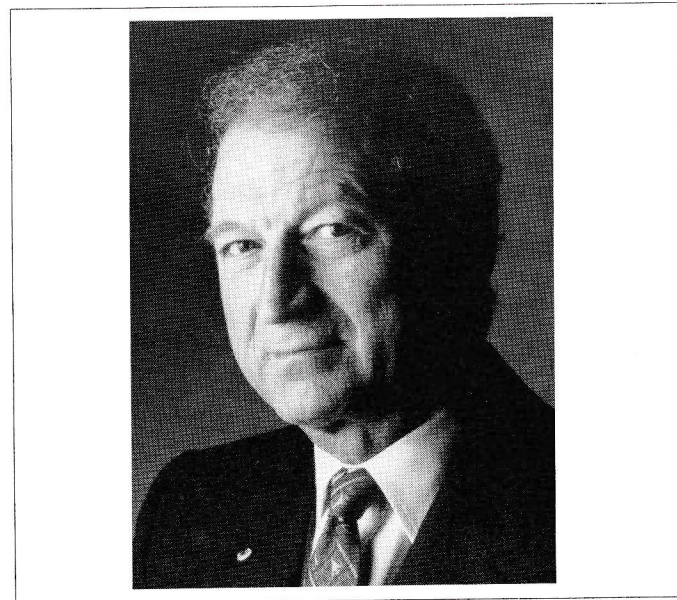
The Kelly Johnson Skunk Works Award is established to honor and to perpetuate his qualities, accomplishments, and standards as a model of excellence to be aspired to by future generations of engineers pioneering progress of the future.

First Presentation was to Clarence L. "Kelly" Johnson (Posthumously)
Accepted by his wife Nancy in 1992

Maj. General James A. Fain, Jr., USAF 1993

SAN FERNANDO VALLEY ENGINEERS' COUNCIL

LIFETIME ACHIEVEMENTS AWARD



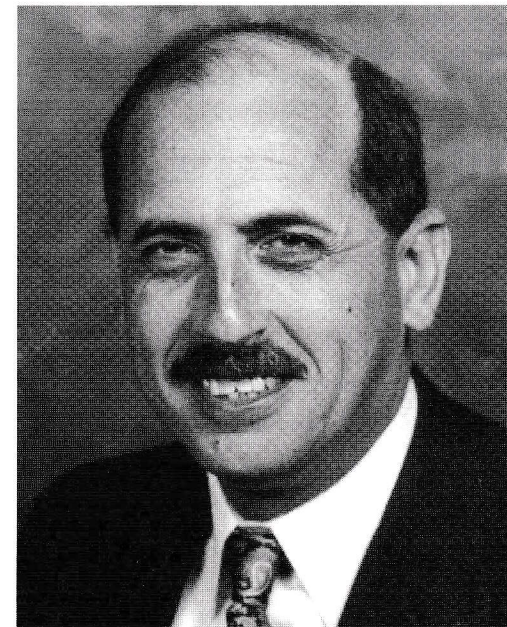
Sam F. Jacobellis

EXECUTIVE VICE PRESIDENT AND DEPUTY CHAIRMAN
FOR MAJOR PROGRAMS

ROCKWELL INTERNATIONAL CORPORATION
SEAL BEACH, CALIFORNIA

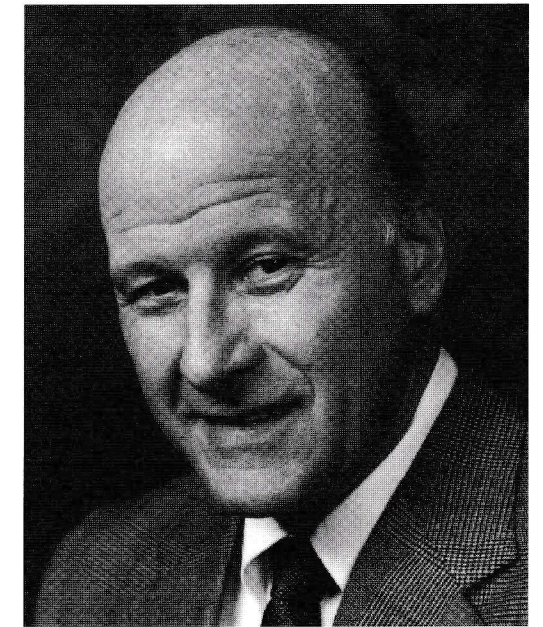
Rocketdyne Congratulates

Engineer of the Year
1993



Robert D. Paster
President
Rockwell International Corp.
Rocketdyne Division

Engineer of the Year
1994



Byron K. Wood
Vice President
Engineering & Test
Rockwell International Corp.
Rocketdyne Division

Engineer Of The Year Award - 1994

Presented by the 1993 Award Winner

ROBERT D. PASTER, FIAE, FAIAA
PRESIDENT

Rocketdyne Div., Rockwell International
Canoga Park, California

— to —

BYRON K. WOOD
VICE PRESIDENT OF ENGINEERING AND TEST
Rocketdyne Div., Rockwell International
Canoga Park, California

Peter Recchia Omni Memorial Award - 1994

Presented by the 1993 Award Winner

ROBERT D. PASTER, FIAE, FAIAA
PRESIDENT

Rocketdyne Div., Rockwell International
Canoga Park, California

— to —

BYRON K. WOOD
VICE PRESIDENT OF ENGINEERING AND TEST
Rocketdyne Div., Rockwell International
Canoga Park, California

The Peter Recchia Omni Memorial Award

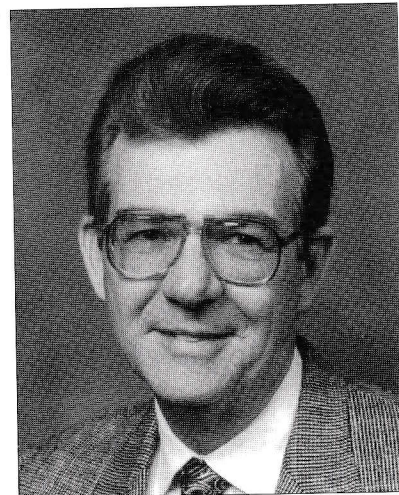
The movies have their Oscars, the television industry has its Emmy and the San Fernando Valley Engineers' Council presents, for the twentysecond time, its Engineering Omni Award. This award was first presented in 1973 to the Engineer of the Year, San Fernando Valley. Since then, each succeeding Engineer of the Year has been awarded this beautiful, original trophy conceived, designed and produced by Peter Recchia, PE, SME, AIIIE. Mr. Recchia was a dedicated supporter of the engineering community and when he passed away, the Omni Award was renamed in his honor, "The Recchia Omni Memorial Award."

HONORARY ENGINEER OF THE YEAR

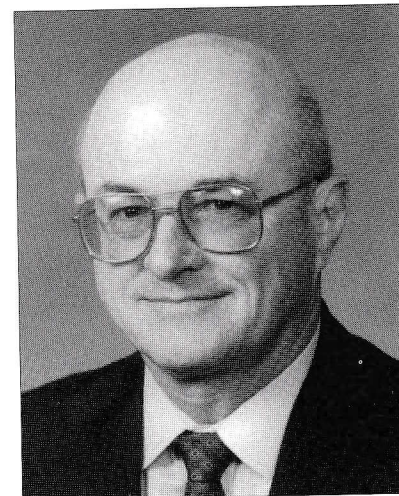
Dr. William J. Perry
Secretary of Defense

Rocketdyne Congratulates

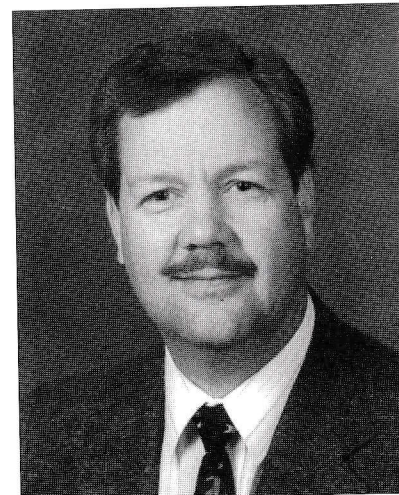
Distinguished Engineering Achievements Awards



John R. Lauffer
 Deputy Program Manager
 of Space Station
 Electric Power System



Vincent J. Wheelock
 Director of Field
 Engineering & Logistics

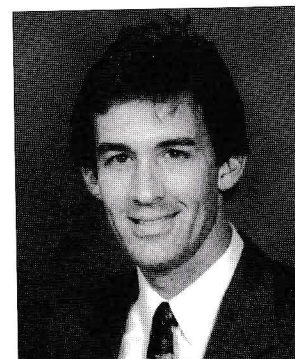


M. Russell Nester, Jr.
 Engineering Specialist
 Facilities Design

Distinguished Engineering Project Achievements Awards



Arthur H. Weiss
 Project Manager
 LEAP Programs

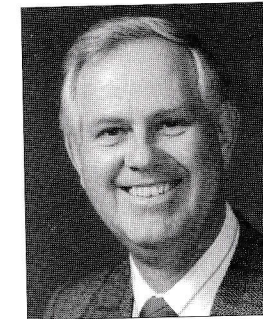


Richard D. Baily
 Chief Project Engineer
 LEAP Programs

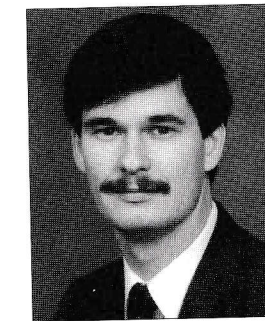
Outstanding Engineering Merit Awards



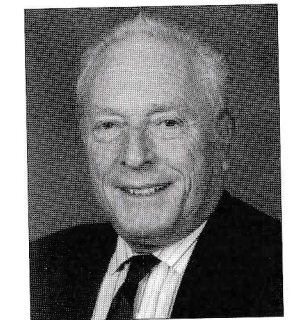
Dr. Jaime Ampaya
 Engineering Specialist
 Advanced Power Engineering



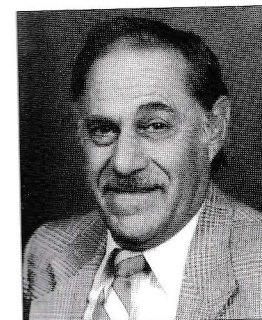
Ronald Bodemeijer
 Project Manager
 Hazardous Materials
 Elimination Team



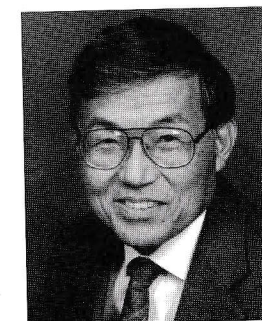
Thaddeus (Ted) Chwiedor
 Member of the Technical Staff
 Advanced Propulsion
 Engineering



Dr. Raymond Edelman
 Principal Engineering Specialist
 National Aero-Space Plane
 Engineering



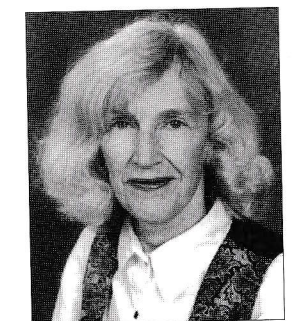
Stan Fischler
 Test Operations Manager
 Santa Susana Field Laboratory
 Test Engineering



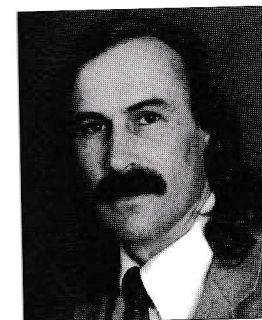
Robert Hoshide
 Project Manager for
 Energy Programs
 Energy Technology
 Engineering Center



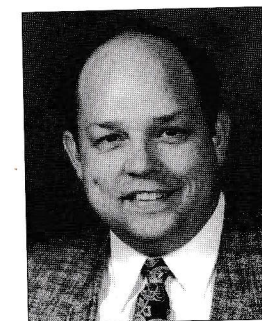
Zhaofeng Huang
 Member of the Technical Staff
 Space Shuttle Main Engine
 Reliability Engineering



Maija Hunter
 Engineering Specialist
 Scientific Computing



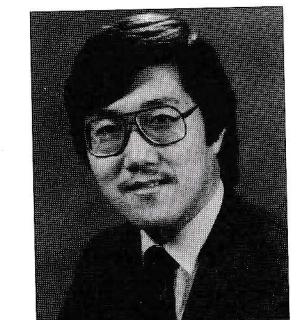
Dr. Daniel Sox
 Engineering Specialist
 Advanced Optical
 Systems Engineering



Brad Stave
 Project Manager
 MRP-II Project Team



Rethia Williams
 Member of the Technical Staff
 Materials Engineering
 and Technology



Barry Yao
 Engineering Specialist
 Space Shuttle Main Engine
 Support Team

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Roland V. Roggero
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Clifford Sheipe
Cliff Terry
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* Made up of Past Presidents

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1959 Roy E. Marquardt, The Marquardt Corporation
 1960 Richard Bradshaw, Consulting Structural Engineering
 1961 Milford G. Childers, Lockheed California Company
 1962 Paul R. Vogt, Rocketdyne Div., Rockwell International
 1963 George T. Harness, San Fernando Valley State College
 1964 Ralph Balent, Atomics International
 1965 Clarence L. Johnson, Lockheed California Company
 1966 Steven J. Domokos, Rocketdyne Div., Rockwell International
 1967 James A. Roadston, Rocketdyne Div., Rockwell International
 1968 Dr. Arnold M. Levine, ITT Aerospace
 1969 Willis M. Hawkins, Lockheed Aircraft Company
 1970 Ralph A. Lamm, Bendix Electrodynamics
 1971 Arthur A. Daush, Jr., Hughes Aircraft Company
 1972 Dr. R.N. Ghose, American Nucleonics Corporation
 1973 John J. Guarrera, SACOM
 1974 Elliott H. Green, Lockheed California Company
 1975 Mathew C. Ek, Rocketdyne Div., Rockwell International
 1976 Sam F. Iacobellis, Atomics International
 1977 Lon L. Sanders, ITT Gilfillan
 1978 Norman J. Ryker, Rockwell International
 1979 Donald C. Tillman, City of Los Angeles
 1980 Dominick J. Sanchini, Rocketdyne Div., Rockwell International
 1981 Ben R. Rich, Lockheed California Company
 1982 Dr. Paul B. MacCready, President, AeroVironment, Inc.
 1983 Charles G. Fargo, Rockwell International
 1984 Dr. Malcolm Currie, Hughes Aircraft Company
 1985 Phillip V. King, PE, FIAE, City of Los Angeles
 1986 Sophia K. Ashley, PE, Naval Civil Engineering Laboratory, Port Hueneme, CA
 1987 Dr. Rodney A. Boudreaux, FIAE, Vice President Engineering, Space Orbitor Div., Rockwell International
 1988 George J. Hallinan, PE, FIAE, Vice President, Space Station Power, Rocketdyne Div., Rockwell Int.
 1989 Paul H. Lane, General Manager and Chief Engineer, Los Angeles, Dept. of Water and Power, Los Angeles, CA
 1990 William F. Ezell, FIAE, Vice President Engineering and Test, Rocketdyne Div., Rockwell Int.
 1991 Edward G. Linhart, PE, FSME, FIAE, EGL Holdings President and CEO, EGL Holding Company, La Jolla, CA
 1992 Sherman N. Mullin, President, Lockheed Advanced Development Co., Palmdale, CA
 1993 Robert D. Paster, President, Rocketdyne Division., Rockwell Int., Canoga Park, CA

**PAST RECIPIENTS
HONORARY ENGINEER OF THE YEAR AWARD**

- 1969 Edward Reineke, Lt. Governor, State of California
1970 William Lear, Chairman of the Board, Lear Motors, Reno, NV
1971 William F. Rockwell, Jr., Chairman of the Board, Rockwell Int.
1972 Hon. Donald R. Jackson, Deputy Assistant Secretary, U.S. Air Force
1973 Daniel J. Haughton, Chairman of the Board, Lockheed Aircraft Corp.
1974 Dr. Christopher C. Kraft, Jr., NASA, Lyndon B. Johnson Space Center
1975 Burt F. Raynes, Chairman of the Board, Rohr Industries
1976 Grant L. Hansen, Vice President and General Manager, General Dynamics, San Diego, CA
1977 Aaron Cohen, Manager, Orbiter Project, NASA, Lyndon B. Johnson Space Center
1978 Dr. David R. Scott, Former Astronaut, President, Scott-Preyss Associates, Inc., L.A., CA
1979 Major General James W. Stansberry, Washington, D.C.
1980 Elmer B. Staats, Comptroller General of the United States, Washington, D.C.
1981 Douglas T. Ross, Chairman of the Board, SOFTECH, Inc., Waltham, MA
1982 Ronald Reagan, President of the United States
1983 Malcolm Baldrige, United States Secretary of Commerce
1984 James R. Berret, President and CEO, Computervision Corp., Bedford, MA
1985 Len J. Weaver, CEng, Executive Chairman, Polymark Int., London, England
1986 J. Tracy O'Rourke, President, CEO, Allen Bradley Co., Milwaukee, WI
1987 David R. McMurtry, Chairman of the Board, Renishaw PLC, England
1988 Jon Michael Smith, FIAE, Deputy Assistant Administrator for Commercial Programs,
NASA Headquarters, Washington, D.C.
1989 Dennis E. Wisnosky, President, Wizdom Systems, Inc., Naperville, IL
1990 Dick Cheney, United States Secretary of Defense
1991 No presentation
1992 No presentation
1993 Daniel S. Goldin, NASA Administrator, NASA Headquarters., Washington, D.C.

MATHCOUNTS 1994

MATHCOUNTS is a National Mathematics Competition sponsored by the National Society of Professional Engineers. The competition is for students from the seventh and eighth grade. A school sends a team of four students and as many as four alternates to the local competition. The team coach is a teacher volunteer from that school. MATHCOUNTS is an extracurricular activity for the students and the coach. Study guides and teaching materials are provided to participating schools by the National Society of Professional Engineers.

The team winning the local competition participates in the state competition. A team of very bright students, from individuals competing in the state competition, is chosen to represent the state in the national competition in Washington, D.C. This is the eleventh year for the NSPE MATHCOUNTS PROGRAM.

Local MATHCOUNTS competition is supported by the San Fernando Valley Chapter of the National Society of Professional Engineers (NSPE). Support at the State and National level for the NSPE MATHCOUNTS competition is by major corporations and local business.

**THE SAN FERNANDO VALLEY ENGINEERS' COUNCIL RECOGNIZES AND
CONGRATULATES THE AWARD WINNERS IN THE 1994 COMPETITION.**

IN APPRECIATION

AIAA SAN FERNANDO VALLEY
W.R. BURR CONSULTANTS, INC.
CSHE LOS ANGELES CHAPTER
CSPE SAN FERNANDO VALLEY
CSPE SANTA MONICA
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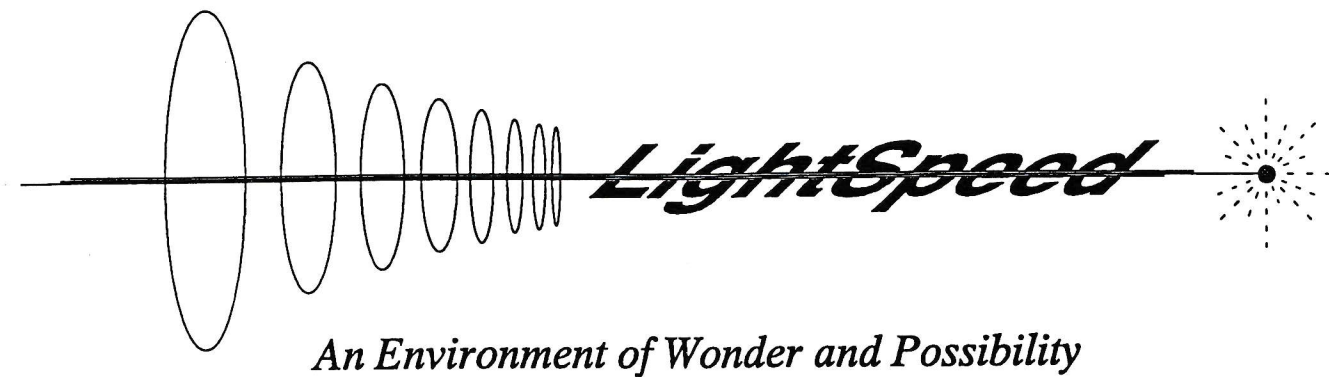
JET PROPULSION LABORATORY
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SME CHAPTER 99
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THE TEXT OF THE PROGRAM FOR THE 1994 ANNUAL SAN FERNANDO VALLEY ENGINEERS'
COUNCIL HONOR AWARDS GALA BANQUET HAS BEEN COMPUTER GENERATED THROUGH THE

COURTESY OF

THE FACILITIES MANAGEMENT DIVISION, WESTLAKE MEDICAL CENTER

WESTLAKE VILLAGE



An Environment of Wonder and Possibility

Mission Statement

The LightSpeed project explores the invisible barriers that exist between what young people perceive is possible for their future and what is truly possible. This is achieved through a dynamic workshop that exposes participants to the magical environment of advanced technology.

Through this medium, participants will gain insight into what inspires them and what stands in the way of building a fulfilling career in any of an infinite number of advanced technologies. The LightSpeed project sets a precedent for industry and community cooperation for the furtherance of education and human achievement. It provides an opportunity for young people to participate in an environment to which they would not normally have access.

Congratulations to

**RON DRAKE
&
KRIS EBBERT**

GTE's 1993 Award Recipients
and all the other 1993 awardees



GTE Government Systems Corporation, in Westlake Village, designs and integrates state-of-the-art imagery processing systems. These systems receive, process, display and distribute imagery intelligence, counter-drug and weather data.

Our products are based on common technologies (Open Systems, Client/Server, POSIX/GOSIP Compliant Environment) integrated with engineering workstations.

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GTE Government Systems

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Westlake Village, California 91359-5027
818 706-4000
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Congratulations

1994 Awardees

SAN FERNANDO VALLEY ENGINEERS' COUNCIL

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Congratulations!

SAN FERNANDO VALLEY ENGINEERS' COUNCIL
AWARD WINNERS

5923 Hinton Ave. Woodland Hills, California 91367 (818) 347-1944

We congratulate

*the three
Merit Award recipients
from the*

*California State University, Northridge
School of Engineering & Computer Science*

*Edward Dombourian
Ramin Roosta
Jon Shively*

...and we thank

*our Industrial Associates and community of friends for helping
support our students after the Northridge earthquake.*

*The quake may have been a 6.7, but to us,
you are a perfect 10!*

CONGRATULATIONS

NATIONAL ENGINEERS WEEK

— **1994 AWARDEES** —

**GUS BATEAS
STEVEN BERROTH
ELIZABETH STUBBS**

Northrop Salutes Engineering Achievement

NORTHROP

B-2 DIVISION

PICO RIVERA, CALIFORNIA

PALMDALE, CALIFORNIA

Congratulations And Best Wishes!

To The 1994 Awardees

SAN FERNANDO VALLEY ENGINEERS' COUNCIL

NATIONAL ENGINEERS WEEK

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HIGGINBOTHAM ASSOCIATES

RESOURCES MANAGEMENT

24300 Calvert Street

Woodland Hills, California 91367-1113

(818) 992-8292

CONGRATULATIONS

JAMES E. BAKER
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ENGINEERS

"TURNING IDEAS INTO REALITY"

EXCELLENCE IN AEROSPACE ENGINEERING

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CONGRATULATIONS

MAJOR GENERAL DICK SCOFIELD, USAF

ON THE PRESENTATION OF THE

CLARENCE L. "KELLY" JOHNSON MEMORIAL LOCKHEED SKUNK WORKS AWARD - 1994

ENGINEERS

"TURNING IDEAS INTO REALITY"

EXCELLENCE IN AEROSPACE ENGINEERING

 **Lockheed**
Advanced Development Company



A DISCOVER "E" PRIMER

For National Engineers Week 1990, an idea took root. Engineers would work with precollege teachers and students to help improve student interest in math, science, and technology. The idea became a reality, and 5,000 engineers reached 500,000 students and teachers in the first NATIONAL ENGINEERS WEEK DISCOVER "E" campaign.

Since then, Discover "E" has grown dramatically. For Engineers Week 1994, some 35,000 engineers will reach more than three million students and teachers.

Discover "E" engineers share a common desire: to help grade school and high school students discover the exciting worlds of engineering and technology. Their goal is to help students and teachers realize practical applications of math, science, and engineering to the world around them.

**THE NATIONAL ENGINEERS WEEK COMMITTEE ENCOURAGES ALL ENGINEERS
TO START OR CONTINUE YOUR PARTNERSHIP WITH LOCAL SCHOOLS.**

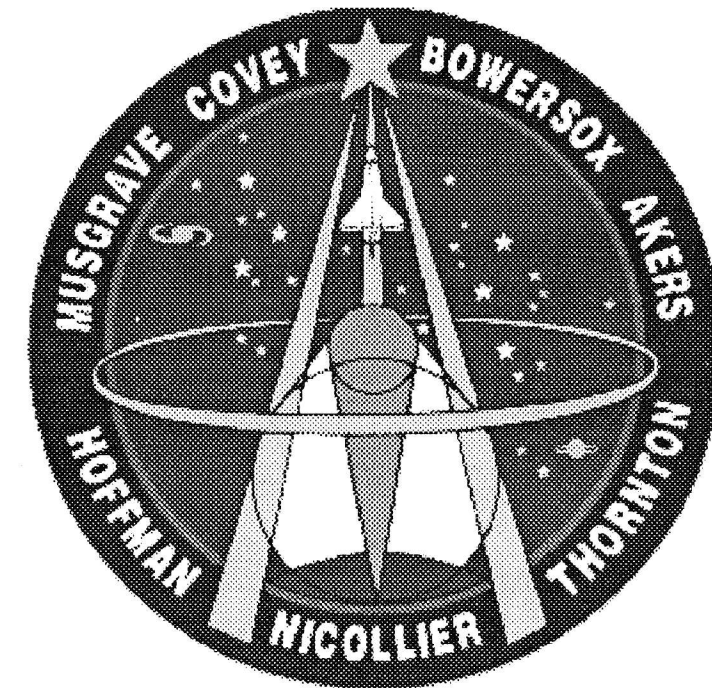
NATIONAL ENGINEERS WEEK

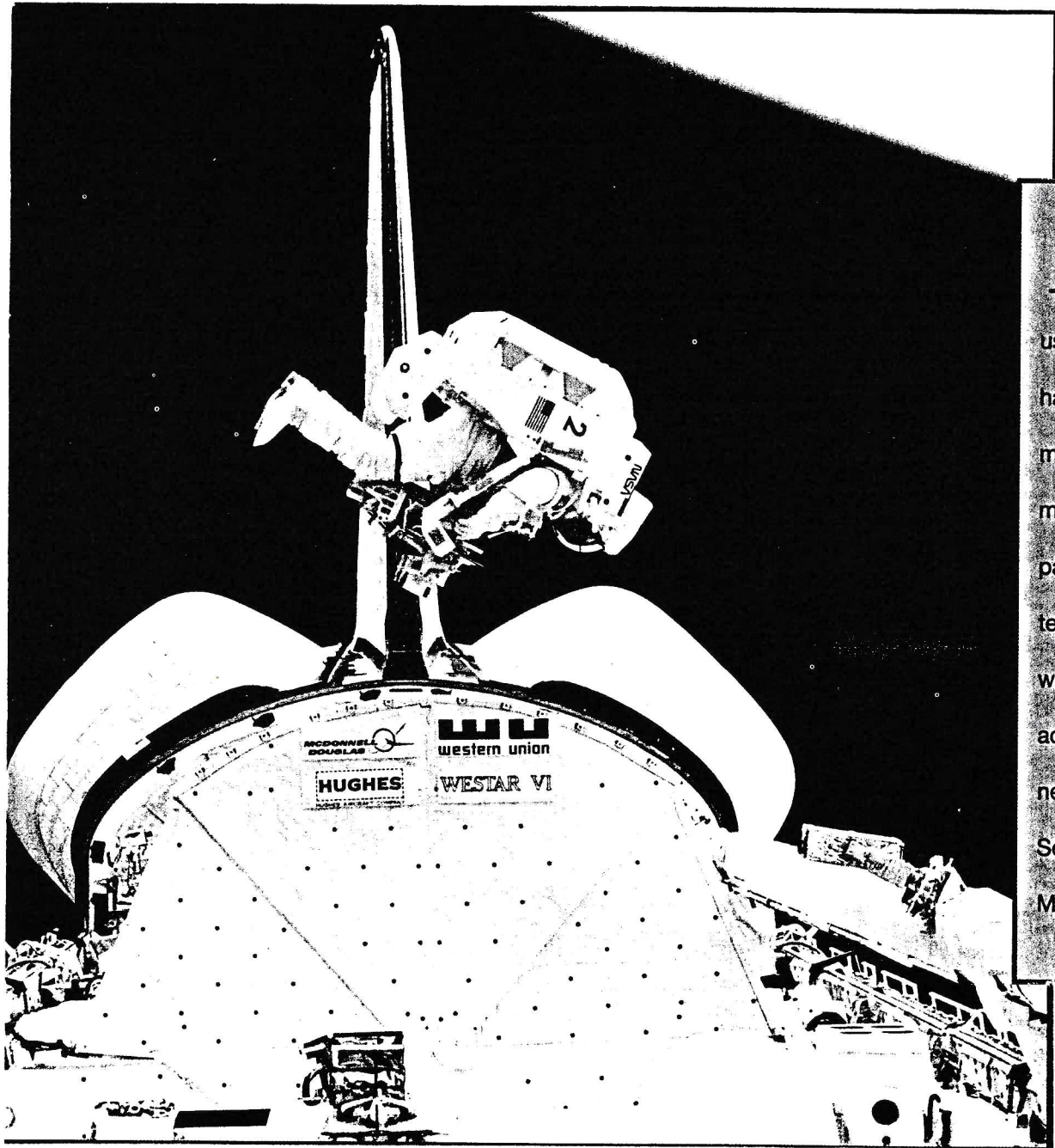
FEBRUARY 20 - 26, 1994

STS-61 CREW PATCH DESCRIPTION

The STS-61 emblem depicts the astronaut symbol superimposed against the sky with the Earth underneath, along with two circles which represent the optical configuration of the Hubble Space Telescope. Light is focused by reflections from a large primary mirror and a smaller secondary mirror. It is analyzed by various instruments and brings to us on Earth knowledge about planets, stars, galaxies and other celestial objects, allowing us to better understand the complex physical processes at work in the universe. The Space Shuttle Endeavour is also represented as the fundamental tool that allows us to perform the first servicing of the Hubble Space Telescope so that its scientific deep space mission may be extended for several years to come. The overall design of the emblem, with lines converging to a high point, is also a symbolic representation of the Earth-based effort-- which involves space agencies, industry, and universities -- to reach goals of knowledge and perfection.

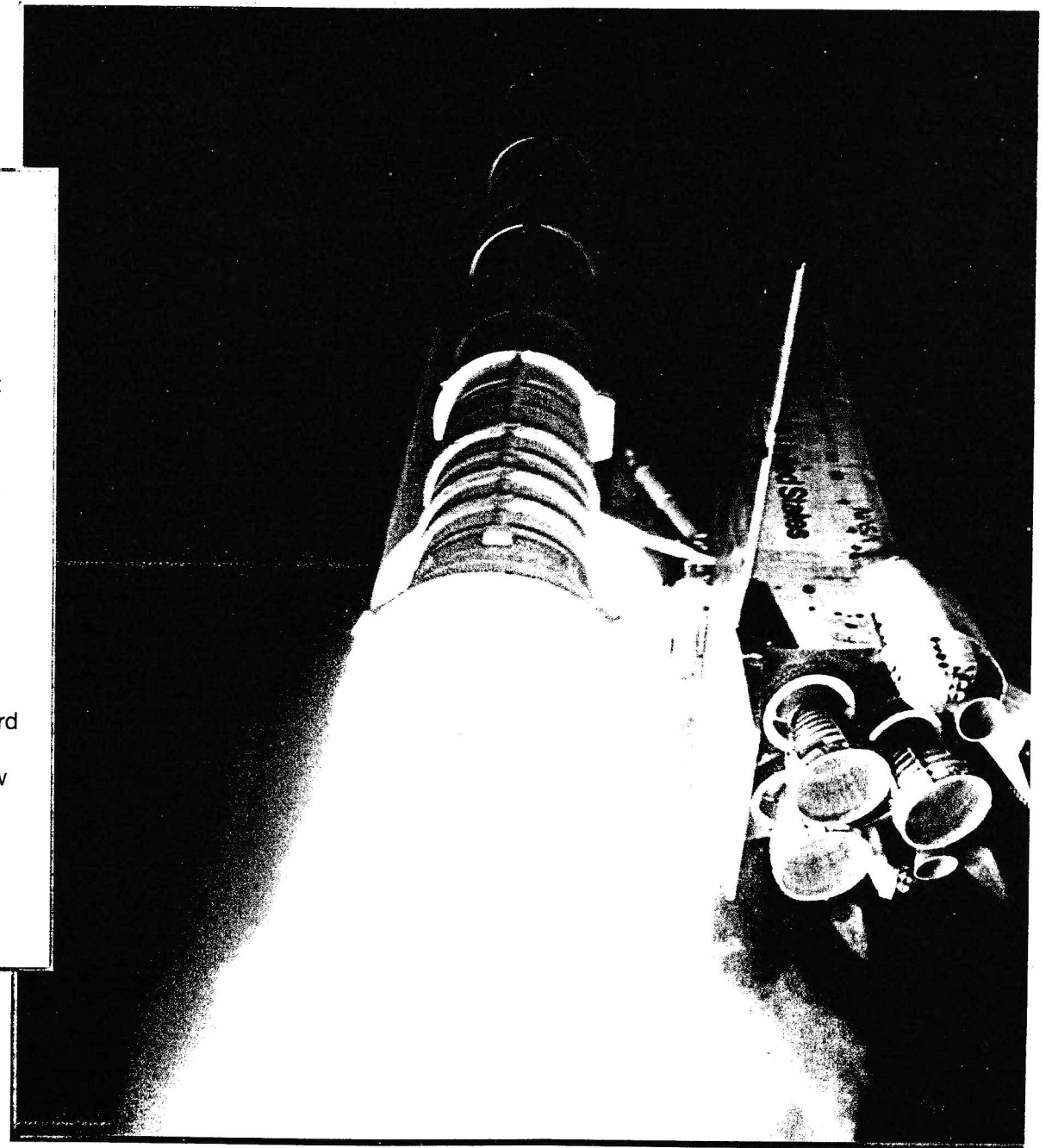
This emblem was designed by the STS-61 crew.





An astronaut uses a jet-powered, hand-controlled manned maneuvering unit to move in on the Shuttle pallet satellite during a testing session. The test was a rehearsal for an actual repair job needed on the damaged Solar Maximum Mission Satellite.

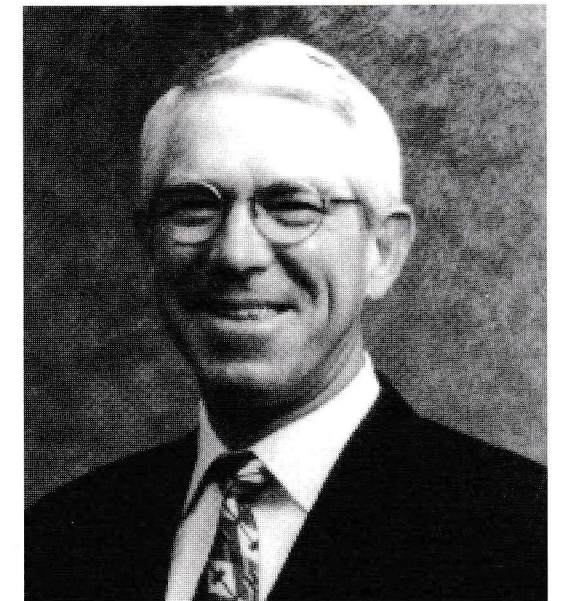
Darkness accentuates the diamond shock effect from Atlantis' main engines as the Space Shuttle makes an early-morning liftoff from Kennedy Space Center, heading toward Earth orbit with a crew of six aboard.





Rockwell's Chairman Seeks Greater Linkage Between Engineers and America's Education

By Donald Beall
Chairman & CEO
Rockwell International Corporation
Honorary Chair, National Engineers Week 1994



Engineering the future—a concept that puts engineers in the driver's seat today to help shape tomorrow's world. By celebrating National Engineers Week, we have the opportunity to acknowledge the countless contributions of engineers across a broad spectrum of disciplines and look for a glimpse of the future.

The underpinning for U.S. global competitiveness and a sound domestic economy is the skills, education and training of our work force, including engineers and scientists. Our competitive position is at risk as other nations outperform us in the development of well-educated, innovative and technically competent work forces. It has been estimated that the majority of all new jobs will require post-secondary education by the year 2000, and that the work environment of the 21st century will require skill levels that are nearly 40 percent higher than those required today. Demand for engineers, scientists and computer specialists will continue to increase given the technological direction of our economy. However, we are not adequately preparing future generations with the technical education they will need to cope with the complexities of tomorrow's world.

Engineers play a key role in the functioning of our society, and we have great need for their talents. Important tasks lie ahead for engineers... tasks like cleaning up the environment, solving complex telecommunications equations, building tomorrow's exploration vehicles, and designing electronics systems to run everything from toasters to trucks.

There is certainly no shortage of challenges, both in the near and long term. To meet these challenges, creating an environment where science and mathematics education flourishes will become increasingly important. Improving student interest and achievement in math and science is a prerequisite to building technologically advanced work forces. Science, math and engineering are central to everything around us; from improving the air we breathe to designing the vehicles that will propel us toward discovering new worlds.

Yet, studies show a decline of student interest in pursuing scientific and engineering college degrees. Perhaps the linkage of engineering to real-world challenges has not been made for today's students. We may not have instilled in them the excitement and fun that accompanies the discovery process. It is obvious that the pipelines we established to develop well-prepared students for college entry must be refurbished.

An opportunity exists to connect students and their teachers to the exciting world of engineering during National Engineers Week. Please consider joining thousands of engineers and scientists as they reach out to America's students by visiting classrooms, participating in the Future City competition or helping to promote public awareness about engineering. You can be part of engineering the future in your local community. Contact National Engineers Week headquarters at 1420 King Street, Alexandria, VA 22314.