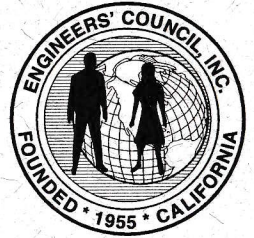


# ENGINEERS' COUNCIL

Woodland Hills, California



## 42nd Anniversary Honors and Awards Gala Banquet

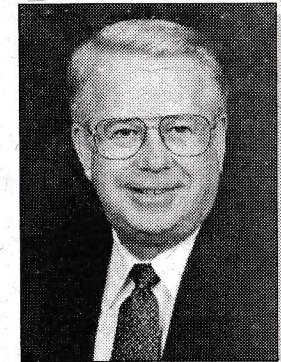
### Souvenir Program

Saturday, February 22, 1997



**Keynote Speaker:**  
**Donna Shirley**

*Mars Exploration Program Manager  
NASA - Jet Propulsion Laboratory*



**Engineer of the Year:**  
**Paul B. Smith**

*President  
Rocketdyne*

MT24397A

*Graphics, Typesetting and Printing  
Courtesy of Communications  
Boeing North American  
Rocketdyne Division*



**In Celebration of  
National Engineers Week  
February 16-22, 1997**

ENGINEERS' COUNCIL  
Woodland Hills, California

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42nd Anniversary  
**HONORS & AWARDS GALA BANQUET**

Saturday, February 22, 1997

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- SOCIAL HOUR - 6:00 P.M.
  - WELCOME - 7:00 P.M.      LLOYD W. HIGGINBOTHAM, FIAE  
HIGGINBOTHAM ASSOCIATES  
PRESIDENT, ENGINEERS' COUNCIL
  - SALUTE TO THE FLAG
  - INTRODUCTIONS      LLOYD W. HIGGINBOTHAM, FIAE
  - DINNER
  - SPECIAL PRESENTATION      JACK L. FERRELL  
INTERNATIONAL PRESIDENT  
SOCIETY OF MANUFACTURING ENGINEERS
  - LOCAL ENGINEERS WEEK      BYRON K. WOOD, FIAE  
VICE PRESIDENT, ENGINEERING  
ROCKETDYNE
  - NATIONAL ENGINEERS WEEK      JACK L. FERRELL  
INTERNATIONAL PRESIDENT  
SOCIETY OF MANUFACTURING ENGINEERS
  - PRESENTATION OF AWARDS      CHARLES K. ALEXANDER, Ph.D.,  
P.E., FIEEE, FIAE, INTERNATIONAL  
PRESIDENT INSTITUTE OF ELECTRICAL  
AND ELECTRONICS ENGINEERS
  - KEYNOTE ADDRESS      DONNA SHIRLEY  
NASA - JET PROPULSION LABORATORY  
MARS EXPLORATION  
PROGRAM MANAGER
  - CLOSING REMARKS      LLOYD W. HIGGINBOTHAM, FIAE
-

# ENGINEERS' COUNCIL

WOODLAND HILLS, CALIFORNIA

1955

## A Brief History

1997

Founded in 1955 as the San Fernando Valley Engineers' Council 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 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 1969 when the first Honorary Engineer of the Year, William Lear, was selected. Over the past 28 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 Aeronautical Achievements Award." This award is given periodically, with General Yeager's approval, to aeronautical engineers who work on a global level.

In February 1993 Lockheed Advanced Development Company granted the Engineers' Council the privilege of using both service marks "Skunk Works" and the stylized "Skunk" in our Clarence L. "Kelly Johnson Skunk Works Award."

Through the years, the Engineers' Council has presented numerous awards recognizing outstanding contributions by individuals in our community and throughout the world in the fields of engineering, education, special fields of work and public service.

# 1997 AWARDS & PRESENTATIONS

## Special Presentation

*William B. Johnson International Inter-professional Founders Memorial Award*

by

**Jack L. Ferrell**  
International President,  
Society of Manufacturing Engineers

to

**Byron K. Wood**  
Vice President, Engineering  
Boeing North American  
Rocketdyne Division

*William B. Johnson International Inter-professional Founders Memorial Award*

In 1955 Bill Johnson was one of the founders of the Engineers' Council, formerly San Fernando Valley Engineers' Council. Bill had an untiring commitment to form and build the Council into a unified and effective body representing 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 people as a means of providing a model of excellence.

The William B. Johnson International Inter-professional 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 in 1982.**

No further presentations were made until 1990.

George J. Hallinan 1990	Dr. John J. Guarrera 1991	Lloyd W. Higginbotham 1992	Roland V. Roggero 1993
Norman Shaffier 1994	Alan R. "Al" Bjorklund 1995	Jack L. Ferrell 1996	

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## **OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997**

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◆ PRESENTED IN ALPHABETICAL ORDER ◆

**Anthony S. Abbott**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Jim Baker**

Lockheed Martin Skunk Works  
Palmdale, California

"For his inspirational leadership as a team organizer, and project customer  
representative motivating project team members to put forth that extra effort  
required to meet challenging technical objectives"

**Raymond B. Ballard**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Richard T. Barrett**

NASA - Lewis Research Center  
Cleveland, Ohio

"For outstanding contributions to the understanding compilation, and  
dissemination of expert criteria for the selection and use of fastening devices"

**Daniel J. Berdechowski**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Ed Bresnik**

Lockheed Martin Skunk Works  
Palmdale, California

"For participation on the team that developed a low cost, highly survivable  
Joint Air-to-Surface Standoff Missile (JASSM) which met customer  
requirements and was selected as one of two let JASSM contracts"

**David L. Buechler**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Ashton B. Burke II**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Margaret C. Calomino**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Edwin W. Camlin**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Grant Carichner**

Lockheed Martin Skunk Works  
Palmdale, California

"For making significant technical contributions on the L-1011, SR-71,  
Supersonic Cruise Research, and Hypersonic Penetrator programs and for  
initiating and managing key programs that helped position  
Lockheed Martin to win contracts for the Joint Strike Fighter and  
Joint Air-to-Surface Missile"

**Leland Heywood Celestre**

Schaeffer Magnetics  
Chatsworth, California

"For outstanding contributions to the dynamic and thermal analysis of space  
flight mechanisms"

**Dave Childers**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997

**Patrick M. Cronin**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Dr. Terry E. Dix**

Boeing North American, Inc., Rocketdyne Division  
Canoga Park, California

In recognition of sustained superior technical expertise provided to the  
International Space Station Electric Power System design Team.  
Contributions directly resulted in Boeing North American, Rocketdyne  
Division achieving NASA phase 2 safety approval in September 1996

**Fred A. Dominski**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Steve Ericson**

Lockheed Martin Skunk Works  
Palmdale, California

"For participation on the team that developed a low cost, highly survivable  
Joint Air-to-Surface Standoff Missile (JASSM) which met customer  
requirements and was selected as one of two let JASSM contracts"

**Greg Fitzgerald**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**William A. Flanagan**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Jack Flynn**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997

**Wilfred Frost**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Mark Gamache**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Lorene V. Garrett**

Northrop Grumman  
Edwards Air Force Base

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Lorene V. Garrett**

Air Force Flight Test Center  
Edwards Air Force Base

"For demonstrating absolute integrity, superior personal drive, devotion to  
teamwork, diligence and quality of effort resulting in superior, less  
problematic, and more cost effective systems benefiting the United States  
Air Force and all American tax paying citizens"

**Kevin B. Harbuck**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Thomas E. Henderson**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Warren M. Humphrey**

GTE Government Systems Corporation  
Thousand Oaks, California

"For outstanding contributions to the concept, design and development of  
the AWDS Product Viewer, as well as technical leadership and guidance for  
Weather Systems Engineering"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997**

**Dr. Jeffrey H. Hunt**

Boeing North American, Inc., Rocketdyne Division  
Canoga Park, California

"For outstanding contributions to the field of optics, non-linear optics and lasers as they apply to propulsion technology"

**Joel S. Kellick**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**Vince Kelly**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**James C. Kolson**

Lockheed Martin Skunk Works  
Palmdale, California

"For significant design contributions to numerous Lockheed projects, leadership, and technical guidance to design engineers in the electrical, environmental control, powerplant and fuel subsystems disciplines"

**Joseph Kriek**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**Clay Larson**

Lockheed Martin Skunk Works  
Palmdale, California

"For participation on the team that developed a low cost, highly survivable Joint Air-to-Surface Standoff Missile (JASSM) which met customer requirements and was selected as one of two let JASSM contracts"

**Dr. George K. Law**

California State University, Northridge  
College of Engineering and Computer Science  
Northridge, California

"For outstanding professional and meritorious achievements within the field of digital computers and fuzzy logic"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997**

**Alan F. Liu**

"For 35 years of outstanding professional and meritorious achievements within the field of Materials Engineering/Fracture Mechanics to Space Shuttle, B-1B bomber, and NASP programs, and his prominent contribution and promotion to the American Society for Materials, San Fernando Valley Chapter"

**C. John Lo**

Schaeffer Magnetics  
Chatsworth, California

"For outstanding contributions to the development of space flight mechanisms"

**Daniel Logan**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**John F. Lucas**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**Fred J. Marcus**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**Mac McClelland**

Lockheed Martin Skunk Works  
Palmdale, California

"For participation on the team that developed a low cost, highly survivable Joint Air-to-Surface Standoff Missile (JASSM) which met customer requirements and was selected as one of two let JASSM contracts"

**Tom McCoy**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997**

**Tim D. McGuffie**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Daniel A. Mishler**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Lillian Ng**

Boeing North American, Inc., Rocketdyne Division  
Canoga Park, California

"In Recognition of outstanding contributions to developing and  
implementing process variation reduction approaches for cost reduction and  
product quality improvement"

**Dr. Leland M. Nicolai**

Lockheed Martin Skunk Works  
Palmdale, California

"For outstanding long term commitment to the success of various Lockheed  
Martin programs, and long time commitment to aerospace education  
through his service on the AIAA Academic Affairs Committee, Industry  
Advisory Board for Aerospace Engineering at Cal Poly, Pomona, and ABET  
visitor for more than 23 years"

**Michael Nowakowski**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Captain Dom Ochotorena**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Margaret A. Orlando**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997**

**Gerald J. Panek**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Dionisio L. Peralta, Jr.**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous and outstanding accomplishments in the formulation of  
conductive and resistive federal and military coatings in metal and carbon  
technologies, such as aerospace coatings, nitrocellulose, lacquers, acrylics,  
water and solvent based alkalyds, vinyls, teflons, D. polyurethanes, epoxies,  
phonemics, polymides, silicones, UV curables, saturated polyesters, and  
flexographic letter press, offset and screen printing inks"

**Mark A. Petiford**

Northrop Grumman B-2 Division  
Palmdale, California

"For outstanding contributions to the development of mechanical systems,  
such as the weapons bay door drive system on the B-2"

**Mike Pohlig**

Lockheed Martin Skunk Works  
Palmdale, California

"For participation on the team that developed a low cost, highly survivable  
Joint Air-to-Surface Standoff Missile (JASSM) which met customer  
requirements and was selected as one of two let JASSM contracts"

**Curtis J. Redecker**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2  
GATS/GAM Flight Test Team"

**Rick Rezabek**

Lockheed Martin Skunk Works  
Palmdale, California

"For being the Lockheed Martin Skunk Works (LMSW) Joint Strike Fighter  
(JSF) Concept Demonstrator Aircraft Chief Engineer, and for recently  
leading Lockheed Martin Skunk Works team as Chief Engineer for DARPA  
ASTOVL contract which led directly to STOVL propulsion technology  
validations that were key elements of Lockheed Martin's winning JSF  
Concept Demonstration Phase contract"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997**

**Kay Roney**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**Stephen T. Sipprell**

Northrop Grumman B-2 Division  
Palmdale, California

"For extensive application of exceptional talent and expertise in several successful air vehicle deployments, and setting the standards for flight testing the B-2's Low Observable characteristics, Defensive Management and Survivability Detection Predictions"

**Eric Stangeland**

Boeing North American, Inc., Rocketdyne Division  
Canoga Park, California

"For outstanding contributions to the advancement of Rocket Engine Combustion Chamber and Nozzle Technology"

**Joseph W. Taylen**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**Tam Tran**

GTE Government Systems Corporation  
Thousand Oaks, California

"For outstanding contributions to the design and development of the Intelligent Transportation System, and the Digital Imagery Exploitation and Production System products"

**Bert Turner**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**Emerson C. Wong**

Boeing North American, Inc., Rocketdyne Division  
Canoga Park, California

"In recognition of outstanding engineering technical support to the SSME Powerhead Team"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1997**

**James Wood**

Northrop Grumman B-2 Division  
Palmdale, California

"For numerous outstanding contributions and participation on the B-2 GATS/GAM Flight Test Team"

**John Woody**

Lockheed Martin Skunk Works  
Palmdale, California

"For participation on the team that developed a low cost, highly survivable Joint Air-to-Surface Standoff Missile (JASSM) which met customer requirements and was selected as one of two let JASSM contracts"

**Joe Wurts**

Lockheed Martin Skunk Works  
Palmdale, California

"For participation on the team that developed a low cost, highly survivable Joint Air-to-Surface Standoff Missile (JASSM) which met customer requirements and was selected as one of two let JASSM contracts"

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*Congratulations*

**Schaeffer Magnetics  
Engineers' Council Award Winners**

**1997**

**Outstanding Engineering Achievement  
Merit Awards  
to  
Leland Heywood Celestre and C. John Lo**



Schaeffer Magnetics, Inc.



**DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS - 1997**

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**James S. Paulson**  
Space Shuttle Main Engine Chief Engineer  
Boeing North American, Inc., Rocketdyne Division  
Canoga Park, California

**Jerry J. Rising**  
Lockheed Martin Skunk Works  
Palmdale, California

**Don J. Roth, Ph.D.**  
NASA - Lewis Research Center  
Cleveland, Ohio

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**DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS - 1997**

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B-2 GATS/GAM Flight Test Team  
Northrop Grumman B-2 Division  
Palmdale, California

**Robert G. Myers**  
Project Manager

Anthony S. Abbott  
Raymond B. Ballard  
Daniel J. Berdechowski  
David L. Buechler  
Aston B. Burke II  
Margaret C. Calomino  
Edwin W. Camlin  
Dave Childers  
Patrick M. Cronin  
Fred A. Dominski  
Greg Fitzgerald  
William A. Flanagan

Jack Flynn  
Wilfred Frost  
Mark Gamache  
Lorene V. Garrett  
Kevin B. Harbuck  
Thomas E. Henderson  
Joel S. Kellick  
Vince Kelly  
Joseph Kriek  
Daniel Logan  
John F. Lucas  
Fred J. Marcus

Tom McCoy  
Tim D. McGuffie  
Daniel A. Mishler  
Michael Nowakowski  
Capt. Dom Ochotorena  
Margaret A. Orlando  
Gerald J. Panek  
Curtis J. Redecker  
Kay Roney  
Joseph W. Taylen  
Bert Turner  
James Wood

**DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS - 1997**

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Mars Exploration Project  
NASA/JPL/California Institute of Technology  
Pasadena, California

**Donna Shirley**  
Program Manager

Joint Air-to-Surface Standoff Missile (JASSM)  
Lockheed Martin Skunk Works  
Palmdale, California

**Robert Clanton**  
Project Manager

Ed Bresnik  
Steve Ericson  
Clay Larson  
Mac McClelland

Mike Pohlig  
John Woody  
Joe Wurts

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**Distinguished Engineering Education  
Achievement Award - 1997**

by

**Dr. John J. Guarrera, PE, FIEEE, FIAE**

Director of Research and Sponsored Projects  
School of Engineering and Computer Science  
California State University, Northridge, California

to

**Martin S. Roden, Ph.D.**

Professor, Electrical Engineering  
California State University  
Los Angeles, California

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**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.

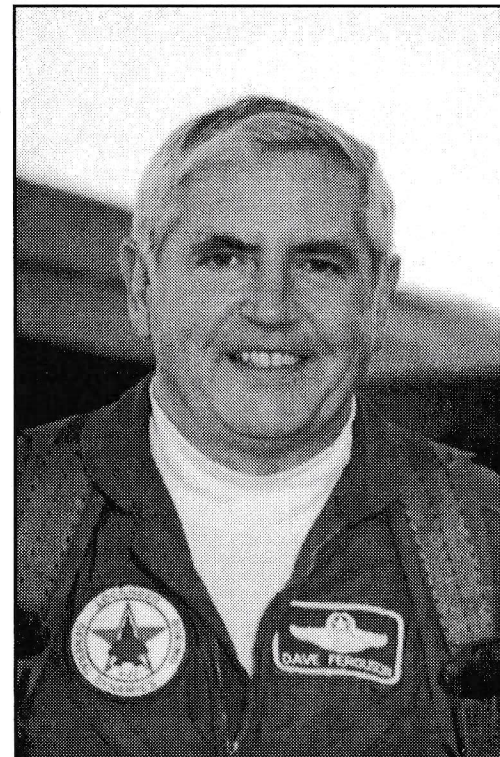
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**Past Recipients**

Robert R. Sandusky, Jr. FIAE 1991	No Presentation 1992
Joseph T. Gallagher 1993	Edward C. "Pete" Aldridge, Jr. 1994
Franklin Chang Diaz 1995	Jack Real 1996

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**Special Presentation**



**Brigadier General Charles E. (Chuck) Yeager**  
**International Aeronautical Achievements Award - 1997**

by

**Jack Real**

**Past President McDonnell Douglas Helicopter**

**Past President Hughes Helicopter**

and currently

Consultant - Evergreen International Aviation

to

**David L. Ferguson**

Test Pilot

Lockheed Martin Skunk Works

## *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 Lightning, 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 achievement 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.

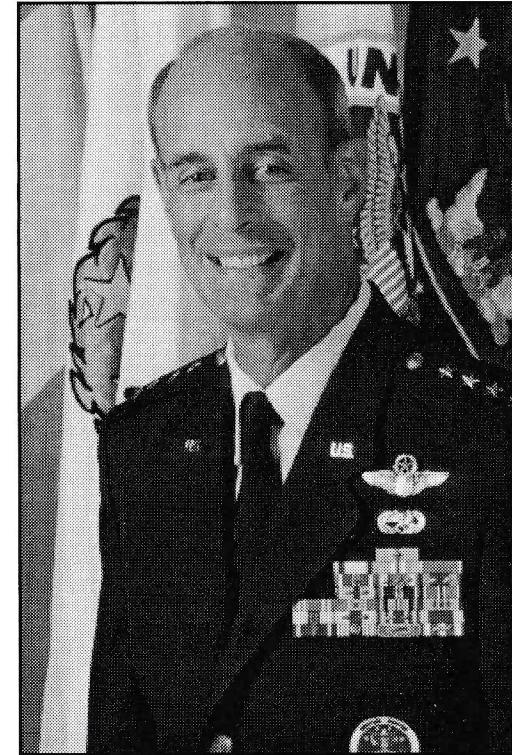
The Kelly Johnson Skunk Works Award is established to honor and to perpetuate his qualities, accomplishments, and standards as a model of excellence to be aspired to by future generations of engineers pioneering progress of the future.

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First Presentation was to Clarence L. "Kelly" Johnson  
(Posthumously)

Accepted by his wife Nancy	1992
Lt. General James A. Fain, Jr., USAF	1993
Major General Richard Scofield, USAF	1994
Ben R. Rich (Posthumously)	1995
General Joseph W. Ralston	1996

## *Special Presentation*



*Clarence L. "Kelly" Johnson Memorial  
Lockheed Martin Skunk Works Award 1997*

by

**Sherman N. Mullin**

Retired President  
Lockheed Martin Skunk Works  
Palmdale, CA

to

**General Howell M. Estes, III**

Commander in Chief  
North American Aerospace Defense Command, & U.S. Space Command  
Commander Air Force Space Command  
Peterson AFB, Colorado

**PAST RECIPIENTS  
ENGINEER OF THE YEAR AWARD**

- 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. Broadston, 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. Jacobellis, 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. Mac Cready, President, AeroVironment, Inc.
- 1983 Charles G. Fargo, Rockwell International
- 1984 Dr. Malcom Currie, Hughes Aircraft Company
- 1985 Phillip V. King, PE, FIAE, City of Los Angeles
- 1986 Sophia K Ashley, Naval Civil Engineering Laboratory, Port Hueneme
- 1987 Dr. Rodney A. Boudreaux, V.P., Engineering, Space Orbitor Div. Rockwell Intl.
- 1988 George J. Hallinan, V.P., Space Station Power, Rocketdyne Div., Rockwell Intl.
- 1989 Paul H. Lane, Los Angeles Department of Water and Power
- 1990 William F. Ezell, V.P., Engineering & Test, Rocketdyne Div., Rockwell Intl.
- 1991 Edward G. Linhart, President and CEO, EGL Holding Company
- 1992 Sherman N. Mullin, President, Lockheed Advance Development Company
- 1993 Robert D. Paster, President, Rocketdyne Div., Rockwell International
- 1994 Byron K. Wood, V.P., Engineering and Test, Rocketdyne Div., Rockwell Intl.
- 1995 Jack S. Gordon, President, Lockheed Advanced Development Company, Palmdale, California
- 1996 Ernest Schaeffer, President, Schaeffer Magnetics, Inc., Chatsworth, CA

## **ENGINEER OF THE YEAR AWARD - 1997**

Presented by the 1996 Award Recipient

**ERNEST SCHAEFFER**  
**PRESIDENT**  
Schaeffer Magnetics, Inc.  
Chatsworth, California

to

**PAUL B. SMITH**  
**PRESIDENT**  
Rocketdyne  
Canoga Park, California

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### ***Peter Recchia Omni Memorial Award - 1997***

Presented by the 1996 Award Recipient

**ERNEST SCHAEFFER**  
**PRESIDENT**  
Schaeffer Magnetics, Inc.  
Chatsworth, Californ

to

**PAUL B. SMITH**  
**PRESIDENT**  
Rocketdyne  
Canoga Park, California

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### ***The Recchia Omni Memorial Award***

The movies have their Oscars, the television industry has its Emmy and the Engineers' Council presents, for the twenty-fifth 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, AIEE. 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."

**ENGINEERS' COUNCIL**  
Woodland Hills, California

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Milton D. Garland, Jr., P.E., FIAE, Secretary/Treasurer, CSPE  
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Brad Ward, Awards Banquet Committee, SME, IIE

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

- 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, Orbitor 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  
1991 Dick Cheney, United States Secretary of Defense  
1992 No presentation  
1993 No presentation  
1994 Daniel S. Goldin, NASA Administrator, NASA Hqts., Washington, D.C.  
1995 Dr. William J. Perry, United States Secretary of Defense  
1996 Dr. William F. Ballhaus, Jr., Corporate V.P., Science & Engineering, Lockheed Martin, Bethesda, MD

# MATHCOUNTS 1997

MATHCOUNTS is a National Mathematics Competition sponsored by the National Society of Professional Engineers. The competition is for students from the seventh and eighth grades. 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 extra-curricular 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 are chosen to represent the state in the national competition in Washington, D.C. This is the thirteenth 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 ENGINEERS' COUNCIL, WOODLAND HILLS,  
CALIFORNIA RECOGNIZES AND CONGRATULATES THE  
AWARD WINNERS  
IN THE 1997 COMPETITION.**

## IN APPRECIATION

AIAA SAN FERNANDO VALLEY	NORTHROP GRUMMAN B-2 DIV., PICO RIVERA
ASM SAN FERNANDO VALLEY	
ASQC SAN FERNANDO VALLEY	NORTHROP GRUMMAN B-2 DIV., PALMDALE
BOEING NORTH AMERICAN, ROCKETDYNE DIVISION	NORTHROP GRUMMAN CORP., HAWTHORNE
CSHE LOS ANGELES CHAPTER	NORTHROP GRUMMAN CORP., CENTURY CITY
CSPE SAN FERNANDO VALLEY	
CSPE SANTA MONICA	PARSONS INFRASTRUCTURE & TECHNOLOGY, PASADENA
C.S.U.N., SECS	ROLAND ROGGERO ASSOCIATES
GTE GOVERNMENT SYSTEMS	SCHAEFFER MAGNETICS
HIGGINBOTHAM ASSOCIATES	SME CHAPTER 099
IEEE SAN FERNANDO VALLEY	SME CHAPTER 173
IIE SAN FERNANDO VALLEY	SME REGION 012
LOCKHEED MARTIN SKUNK WORKS	SOCIETY OF WOMEN ENGINEERS

# Congratulations!

**1997 ENGINEERS  
WEEK AWARDEES**

**ENGINEERS' COUNCIL  
WOODLAND HILLS, CALIFORNIA**

**OUTSTANDING  
ENGINEERING  
ACHIEVEMENT MERIT  
AWARD - 1997**

***Dr. George K. Law***

**CALIFORNIA STATE UNIVERSITY NORTHRIDGE  
SCHOOL OF ENGINEERING AND COMPUTER SCIENCE**

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**ENGINEERS' COUNCIL**

*Congratulations 1997 Awardees*

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**ENGINEERS' COUNCIL**

*Congratulations And Best  
Wishes!  
To The 1997 Awardees*

**NATIONAL ENGINEERS WEEK**

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**HIGGINBOTHAM ASSOCIATES  
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**Boeing North American  
Congratulates Their  
1997 Rocketdyne Honorees:**

Engineer of the Year Award

*Paul B. Smith*  
President,

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**William B. Johnson International Inter-Professional  
Founders Memorial Award**

*Byron K. Wood*  
Vice President, Engineering

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**Distinguished Engineering Achievement Award**

*James S. Paulson*  
Space Shuttle Main Engine Chief Engineer

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**Outstanding Engineering Achievement Award**

*Dr. Terry E. Dix*

*Dr. Jeffrey H. Hunt*

*Lillian Ng*

*Eric Stangeland*

*Emerson C. Wong*

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