

# ENGINEERS' COUNCIL

Woodland Hills, California

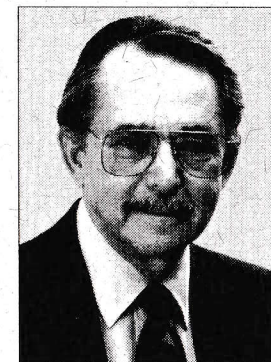


## 41st Anniversary Honors and Awards Gala Banquet Souvenir Program

Saturday, February 24, 1996



**Keynote Speaker:**  
**Dr. William F. Ballhaus, Jr.**  
*Corporate VP - Science & Engineering  
Lockheed Martin, Bethesda, MD.*



**Engineer of the Year:**  
**Ernest Schaeffer**  
*President  
Schaeffer Magnetics, Inc.*

*Graphics, Typesetting and Printing  
Courtesy of Publication Services  
Rocketdyne Division  
Rockwell Aerospace*



**In Celebration of National  
Engineers Week  
February 17-24, 1996**

THE WHITE HOUSE

WASHINGTON

DECEMBER 12, 1995

Warm greetings to everyone observing National Engineers Week, 1996.

From home appliances to aircraft to highways to the printer that produced this message, virtually every object in our lives owes its existence to the careful work of an engineer. Advancements in engineering over the past century have given us extraordinary capabilities in travel, communication, and health care. Engineers truly turn ideas into reality, and our continued commitment to this fascinating field of study can ensure America's long term success and leadership in the world.

This week offers a special chance to learn about the miracles of engineering in our everyday lives and to discover new opportunities for personal achievement in the engineering field. I especially encourage our young people to take part in the different demonstrations, contests, and projects offered in conjunction with National Engineers Week. By understanding more about our universe and the principles that govern it, we can build a bright future, filled with exciting innovations and promising new opportunities for all.

I join all Americans in thanking our engineers for their remarkable achievements. Best wishes for a most successful week.



# *Congratulations!*

Schaeffer Magnetics, Inc.  
Engineers' Council Award Winners  
1996

ENGINEER OF THE YEAR

Ernest Schaeffer



OUTSTANDING ENGINEER MERIT AWARDS  
James Hammond & Ruben Nalbandian



ENGINEERING PROJECT ACHIEVEMENT AWARD

MODIS Scan Motor/Encoder Team

Daniel Owens	Bob Scher
John Ryan	Tien Phan
Peter Chase	Mark Miller
Happy Tsui	Owen Maloy
Keith Kelly	Phil Tokeshi



Schaeffer Magnetics, Inc.

*Congratulations*  
*1996 Awardees*

**ENGINEERS' COUNCIL**  
WOODLAND HILLS, CALIFORNIA

**ROLAND ROGGERO ASSOCIATES**  
**ENGINEERS**

FACILITIES MANAGEMENT

HEALTH CARE ENGINEERING

ENVIRONMENTAL MANAGEMENT

4338 N. OAK GLEN STREET

CALABASAS, CALIFORNIA

*Congratulations And Best Wishes!*  
*To The 1996 Awardees*

**ENGINEERS' COUNCIL**  
SAN FERNANDO VALLEY, CALIFORNIA

**NATIONAL ENGINEERS WEEK**

**HIGGINBOTHAM ASSOCIATES**  
RESOURCES MANAGEMENT

24300 Calvert Street Woodland Hills, California 91367-1113 (818) 992-8292

# ***Congratulations!***

## **1996 ENGINEERS' WEEK AWARDEES**

**ENGINEERS' COUNCIL**  
WOODLAND HILLS, CALIFORNIA

**DISTINGUISHED ENGINEERING  
EDUCATOR OF THE YEAR AWARD - 1996**

***Roger Di Julio, Ph.D., PE***

**DISTINGUISHED ENGINEERING  
EDUCATION ACHIEVEMENT AWARD -1996**

***Charles K. Alexander, Ph.D., PE, FIEEE***

**CALIFORNIA STATE UNIVERSITY NORTHRIDGE**

**SCHOOL OF ENGINEERING AND COMPUTER SCIENCE**

**ENGINEERS' COUNCIL**  
Woodland Hills, California

41st Anniversary  
**HONORS & AWARDS GALA BANQUET**  
Saturday, February 24, 1996

- 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 **DR. JOHN J. GUARRERA, PE, FIEEE, FIAE**
- LOCAL ENGINEERS WEEK **BYRON K. WOOD, FIAE**  
VICE PRESIDENT, ENGINEERING  
ROCKETDYNE
- NATIONAL ENGINEERS WEEK **JACK L. FERRELL**  
INTERNATIONAL PRESIDENT  
SOCIETY OF MANUFACTURING  
ENGINEERS  
NATIONAL - CHAIRMAN  
ENGINEERS WEEK
- KEYNOTE ADDRESS **WILLIAM F. BALLHAUS, Jr. Ph.D.**  
CORPORATE VICE PRESIDENT  
SCIENCE & ENGINEERING  
LOCKHEED MARTIN  

"A Survivalist View of  
Today's Aerospace Industry"
- PRESENTATION OF AWARDS **TIMOTHY J. HANNEMAN, FIAE**  
PROJECT MANAGER  
ENGINEERING OPERATIONS  
ROCKETDYNE DIVISION  
ROCKWELL AEROSPACE
- CLOSING REMARKS **LLOYD W. HIGGINBOTHAM, FIAE**

# ENGINEERS' COUNCIL

WOODLAND HILLS, CALIFORNIA

1955

*A Brief History*

1996

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 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 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.

## 1996 AWARDS & PRESENTATIONS

### Special Presentation

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

by

**Dr. John J. Guarrera, PE, FIEEE, FIAE**  
**Director of Research and Sponsored Projects**  
**California State University Northridge**  
**School of Engineering and Computer Science**

to

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

*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

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**DISTINGUISHED ENGINEERING COMMUNITY SERVICE AWARD - 1996**

**Timothy J. Hanneman, FIAE**  
Project Manager - Engineering Operations  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

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**Distinguished Engineering Education Achievement Award - 1996**

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

**Charles K. Alexander, Ph.D., PE, FIEEE**  
Dean, School of Engineering and Computer Science  
California State University, Northridge, California

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**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

PRESENTED IN ALPHABETICAL ORDER

**Jimmy Aldridge**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Bob Alvarado**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Ed Banyard**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

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**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

**Jim Bietsch**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Jerry W. Brockmeyer**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for leading the technology of fiber-reinforced ceramic matrix components and demonstrating its applicability to advanced rocket engine systems"

**Alan R. Brown**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for technical leadership of the program to successfully eliminate the use of environmentally hazardous materials at Rocketdyne"

**Cliff Burks**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**John Burrell**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Teri K. Carlstrom**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his being instrumental in developing and maintaining new technologies critical to the F-117A Stealth fighter"

**Susan Clarkson**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**John J. Deegan**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his outstanding technical leadership as Chief Engineer on the SR-71 Reactivation Program at the Lockheed Martin Skunk Works"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

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**Barbara Devlin**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Professor Melvin Epstein**  
California State University  
Northridge, California

"In recognition of creativity in the area of Multimedia Technical Presentations"

**James J. Fang, Ph.D.**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for his singular contributions to rocket combustion technology and engineering education"

**Bob Fisher**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for a distinguished 40 year career at the Lockheed Martin Skunk Works specializing in equipment installation, electrical circuit design, system integration engineering and program engineering management on programs such as the T-33A, T2V-1, YF-12, SR-71, U-2, HAVE BLUE, YF-22, Tier III Minus and other classified programs"

**Sandra Garrido**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Glenn Giardinelli**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program" and

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Siamak Ghofranian**  
Space Systems Division, Rockwell Aerospace  
Downey, California

"Recognized for his outstanding technical achievement on the Russian docking mechanism used on the 1995 Space Shuttle mission to the Russian MIR Space Station"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

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**Edward Allan Goforth**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his outstanding contributions to the development of methodology for performing flutter analyses on a tapered cylinder in an engine exhaust flow and for contributions and achievements in the field of Aeroservoelasticity"

**Edward W. Gholdston, Ph.D.**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for his outstanding technical leadership for the design, development and test of the International Space Station Power System"

**Donald Goodwin**  
GTE Government Systems Corporation  
Westlake Village, California

"Recognized for his outstanding contributions to GTE hardware engineering efforts"

**Carolyn Hall**  
GTE Government Systems Corporation  
Westlake Village, California

"Recognized for her outstanding contributions to the design and development of state-of-the-art computer systems"

**James C. Hammond**  
Schaeffer Magnetics, Inc.  
Chatsworth, California

"Recognized for his extensive contributions to the Hubble Space Telescope, the UARS Microwave Limb Sounder and the Intelsat-VI Spot Beam Antenna Drives"

**Timothy L. Hanna**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for his outstanding contributions in the areas of design and fabrication of high speed rotating machinery"

**Michael Haro**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Doug Harris**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

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**David Hartel**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**John M. Haworth**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for his contributions in the technical area of dynamics, dynamic data analysis and his role in developing young engineers in the profession"

**Bob Hightower**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his outstanding achievement in the development of innovative F-117A aircraft design and modifications, proposals and his design team leadership in the application of new technology enhancements to the F-117A"

**Steve G. Justice**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his contributions to Configuration Design and Analysis of ADP programs including A/F-117X, Light Weight Fighters and other classified programs"

**Norman Katz**  
Katz Metallurgical, Inc.  
Northridge, California

"For outstanding contributions to the field of Metallurgical Engineering and Welding"

**Raymond Krise**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for providing outstanding technical leadership of Rocketdyne's Atlas Engine Systems resulting in a continuing record of success"

**Barbara C. Kurtin**  
Litton Guidance and Control Systems  
Woodland Hills, California

"For outstanding contributions to the field of Materials Engineering and Processing"

**Brian W. Lariviere**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for his distinguished contributions in achieving cost and cycle times in product design, analysis, and definition through Integrated Product Team Leadership"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

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**Chris Londergan**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Professor Miguel Macias**  
California State University  
Northridge, California

"In recognition of his contributions in support of Minority Engineering Programs"

**Hank Marchionni**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Phil McDaniel**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Stephanie McNay**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Don McPherson**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Claus J. Meisl**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for his outstanding contributions to Rocketdyne and the profession of Engineering Cost Estimating"

**Phil Mohr**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"



**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

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**Ruben Nalbadian**  
Schaeffer Magnetics, Inc.  
Chatsworth, California

"Recognized for his numerous design and development efforts for spaceflight motion control devices on such drive programs as the Topex Solar Array, Explorer Platform Solar Array, PMIRR Scanning Mirror Gimbal Assembly, and Flight Telerobotics Servicer Robotic Arm"

**Thomas Oatway**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his contributions to the Aerodynamic/Propulsion development of such Skunk Works programs as the F-117, A/F-117x, U-2, SR-71, SSTO and other classified programs"

**Bruce Perrine**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Greg Pressman**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Robert Raphael**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**John Richards**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his 40 year career at Lockheed and his many contributions to the field of Loads and Structural Analysis on such programs as the C-5, L-1011, F-117, U-2, SR-71 and other classified Programs"

**Tom Ricker**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**J. Paul Sandifer**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 1996**

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**Sylvia M. Schweinberger-Stewart**  
Rocketdyne Division, Rockwell Aerospace  
Canoga Park, California

"Recognized for her distinguished contributions in Assurance Management for Achieving Outstanding System Safety, Reliability and Quality Engineering Support to Integrated Powerhead Development and Reusable Launch Vehicle Programs"

**Mary Shoemaker**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**Donald Sidwell**  
Lockheed Martin Skunk Works  
Palmdale, California

"Recognized for his significant contributions to the understanding of material behavior in the new field of 'Soft Composites,' engineered fabrics for lighter-than-air vehicles"

**Mel Smith**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Cliff Spratt**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the B-2 Full Scale Structural Test Program"

**Faye Young**  
Lockheed Martin Skunk Works  
Palmdale, California

"In recognition of Team Participation in the Class 1 Ozone Depleting Substances Elimination Program"

**DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS - 1996**

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**Jeffrey L. Blume**  
Senior Staff Engineer  
Naval Air Warfare Center, Weapons Division  
Point Mugu, California

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**William Oscar Fellers, Ph.D.**  
Consultant  
Fellers Consulting Engineers  
Carmichael, California

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**Elton R. Foor, Jr., PE**  
Senior Manufacturing Engineer  
Space Systems Division, Rockwell Aerospace  
Downey, California

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**Thomas G. Tolliver**  
Technical Manager/B-2 Air Vehicle Manager (AV-4)  
Northrop Grumman Corporation  
Palmdale, California

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**DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS - 1996**

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**B-2 Full Scale Structural Test Program**  
Lockheed Martin Skunk Works  
Palmdale, California

Frank Bates, Project Manager  
Marc Wood, Project Manager

Robert Alvarado  
Cliff Burks  
John Burrell  
Susan Clarkson  
Glenn Giardinelli  
Doug Harris  
David Hartel

Chris Londergan  
Hank Marchionni  
Phil McDaniel  
Stephanie McNay  
Don McPherson  
Phil Mohr  
Bruce Perrine

Tom Ricker  
J. Paul Sandifer  
Mel Smith  
Cliff Spratt  
Herb Tutty

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**DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS - 1996**

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**Class 1 Ozone Depleting Substance Elimination Program**  
Lockheed Martin Skunk Works  
Palmdale, California

Gary Wendt, Project Manager

Jimmy Aldridge  
Ed Banyard  
Jim Bietsch  
Barbara Devlin

Sandra Garrido  
Glenn Giardinelli  
Michael Haro  
Greg Pressman

Robert Raphael  
Mary Shoemaker  
Faye Young

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**SR-71 Reactivation Program**  
Lockheed Martin Skunk Works  
Palmdale, California

Justin "Jay" Murphy, Project Manager

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**MODIS Scan Motor/Encoder Project**  
Schaeffer Magnetics, Inc.  
Chatsworth, California

Dan Owens, Project Manager  
Robert Scher, Ph.D., Project Manager  
Accepting is John Ryan

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**Orbiter Docking System Project**  
Space Systems Division, Rockwell Aerospace  
Downey, California

Stephen R. Cavanaugh, Project Manager

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*DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS - 1996*

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*Apollo 13, The Movie*  
Imagine Entertainment  
Century City, California

Ron Howard, President

*Apollo 13, The Movie*  
Special Effects  
Digital Domain  
Venice, California

Robert M. Legato, Project Supervisor

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*DISTINGUISHED ENGINEERING RESEARCH PROJECT ACHIEVEMENT  
AWARD - 1996*

*Environmental Concept Vehicle*  
Volvo Truck Division  
Goteborg, Sweden

Accepting for Volvo Truck  
Stan Borus  
Salt Lake City, Utah

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*DISTINGUISHED ENGINEERING EDUCATOR OF THE YEAR AWARD -  
1996*

*Roger Di Julio, Ph.D., PE*  
Professor, Department of Electrical and Component Engineering  
California State University  
School of Engineering and Computer Science  
Northridge, California

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*Special Presentation*

*Brigadier General Charles E. (Chuck) Yeager*  
*International Aeronautical Achievements Award - 1996*

by

**Charles C. Olsefsky, PE, FIAE**  
President, C. C. Olsefsky and Associates  
Northridge, California

to

**Jack Real**  
Past President McDonnell Douglas Helicopter  
Past President Hughes Helicopter  
and currently  
Consultant - Evergreen International Aviation

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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

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## Special Presentation

### Clarence L. "Kelly" Johnson Memorial Lockheed Martin Skunk Works Award 1996

by

**Jack S. Gordon**  
President

Lockheed Martin Skunk Works  
Palmdale, California

to

**General Joseph W. Ralston**  
Commander Air Combat Command  
Langley AFB, Virginia

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### 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 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

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## ENGINEER OF THE YEAR AWARD - 1996

Presented by the 1995 Award Recipient

**JACK S. GORDON**  
PRESIDENT

Lockheed Martin Skunk Works  
Palmdale, California

to

**ERNEST SCHAEFFER**  
PRESIDENT

Schaeffer Magnetics, Inc.  
Chatsworth, California

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### Peter Recchia Omni Memorial Award - 1996

Presented by the 1995 Award Recipient

**JACK S. GORDON**  
PRESIDENT

Lockheed Martin Skunk Works  
Palmdale, California

to

**ERNEST SCHAEFFER**  
PRESIDENT

Schaeffer Magnetics, Inc.  
Chatsworth, 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-fourth 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, AIIE. 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."

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### HONORARY ENGINEER OF THE YEAR/KEYNOTE SPEAKER

William F. Ballhaus, Jr., Ph.D.  
Corporate Vice President - Engineering & Science  
Lockheed Martin Corporation  
Bethesda, Maryland

**ENGINEERS' COUNCIL**  
Woodland Hills, California

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**1996 ENGINEERS WEEK COMMITTEE AND OFFICERS**

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- Lloyd W. Higginbotham, FIAE, President, SME, NYAS, ASAE
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**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. 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. 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

**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, 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
- 1990 Dick Cheney, United States Secretary of Defense
- 1991 No presentation
- 1992 No presentation
- 1993 Daniel S. Goldin, NASA Administrator, NASA Hqts., Washington, D.C.
- 1994 Dr. William J. Perry, United States Secretary of Defense
- 1995 No presentation

# MATHCOUNTS 1996

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 1996 COMPETITION.**

## IN APPRECIATION

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

## Rockwell Congratulates Their Honorees:

Distinguished Engineering  
Achievement Award

*Elton Foor*  
Space Systems Division

Distinguished Engineering Project  
Achievement Award

*Steve Cavanaugh*  
Orbiter Docking System  
Space Systems Division

Distinguished Engineering Community  
Service Award

*Tim Hanneman*  
Rocketdyne

Outstanding Engineering  
Achievement Award

*Siamak Ghofranian*  
Space Systems Division

Outstanding Engineering Achievement Award

*Jerry Brockmeyer*  
*Alan Brown*  
*James Fang*  
*Edward Gholdston*  
*Timothy Hanna*

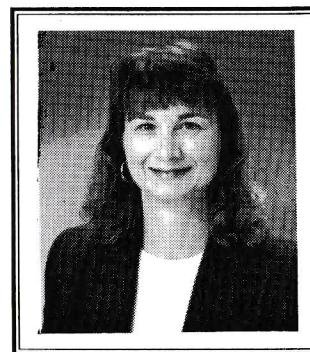
*John Haworth*  
*Raymond Krise*  
*Brian Lariviere*  
*Claus Meisl*  
*Sylvia Schweinberger*

Rocketdyne

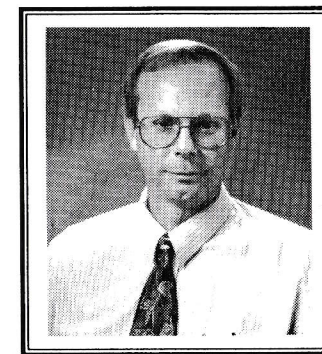
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## CONGRATULATES OUR 1996 OUTSTANDING ENGINEER MERIT AWARD WINNERS



*Carolyn Hall*



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# CONGRATULATIONS

Engineers' Council  
Woodland Hills, California  
1996

## Engineering Project Achievement Award

Jimmy Aldridge	Ed Banyard	Jim Beitsch	Barbara Devlin
Sandra Garrido	Glenn Giardinelli	Michael Haro	Greg Pressman
Bob Raphael	Mary Shoemaker	Gary Wendt	Faye Young

Bob Alvarado	Frank Bates	John Burrell	Cliff Burks
Susan Clarkson	Glenn Giardinelli	Doug Harris	Dave Hartel
Chris Londergan	Hank Marchionni	Phil McDaniel	Stephanie McNay
Don McPherson	Phil Mohr	Bruce Perrine	Tom Ricker
Paul Sandifer	Mel Smith	Cliff Spratt	Marc Wood

Justin J. Murphy

## Outstanding Engineering Achievements Merit Awards

Teri Carlstrom	John Deegan	Bob Fischer
Alan Goforth	Bob Hightower	Steve Justice
Tom Oatway	John Richards	Don Sidwell

  
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