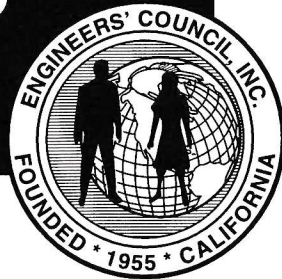


ENGINEERS' COUNCIL

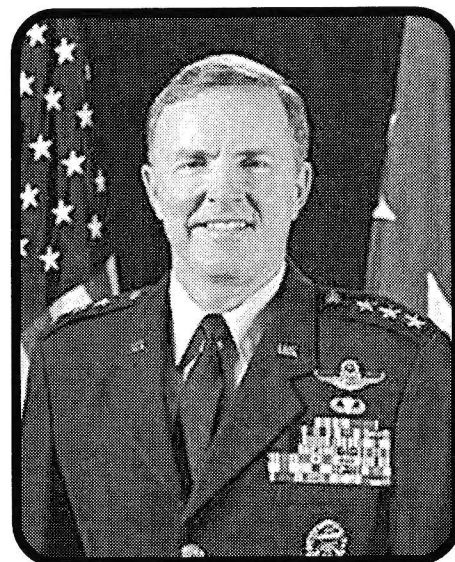


Woodland Hills, California

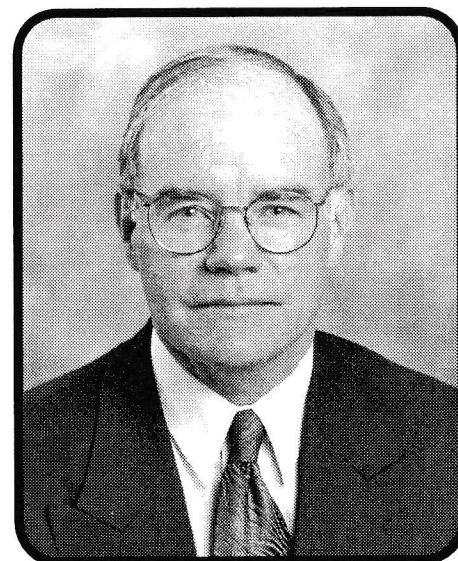
46th Anniversary HONORS AND AWARDS GALA BANQUET

Saturday, February 24, 2001

Souvenir Program

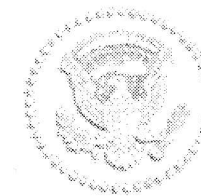


Keynote Speaker:
Lt. General Thomas J. Keck
Commander 8th Air Force
Barksdale AFB, LA



Engineer of the Year:
Dr. Charles Volk
Vice President Engineering
Litton Guidance & Control Systems
Woodland Hills, CA

Presidential Message for National Engineers Week
February 18-24, 2001



THE WHITE HOUSE
WASHINGTON

I am delighted to extend my warmest greetings to all those observing National Engineers Week.

Engineers have made significant contributions to America's economy and our overall quality of life. In protecting our citizens, exploring new frontiers, developing our industries, and educating our young people, engineers have been vital to the crowning achievements of this great country. These dedicated men and women continue to lead our Nation to a better future, pioneering innovations in fields as vast and diverse as health care, the environment, the space program, and technology of all kinds.

This week's activities will prove invaluable in providing the next generation of engineers insight into the opportunities available to them and allowing today's professionals to illustrate their energy and passion for engineering.

Laura joins me in sending congratulations on the 50th anniversary of this important event and best wishes for a successful National Engineers Week.

ENGINEERS' COUNCIL

WOODLAND HILLS, CALIFORNIA

1955

A Brief History

2001

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, Ed Reineke, was selected. Over the past 29 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.

ENGINEERS' COUNCIL

Woodland Hills, California

46th Anniversary

HONORS & AWARDS GALA BANQUET

Saturday, February 24, 2001

- SOCIAL HOUR - 6:00 P.M.
- SALUTE TO THE FLAG & INTRODUCTIONS - 7:00 P.M. LLOYD W. HIGGINBOTHAM
FIAE
- WELCOME DR. LAURENCE S. CARETTO
DEAN OF ENGINEERING
CSUN, CECS
NORTHRIDGE, CA
- DINNER
- PRESENTATION OF AWARDS R. L. "RON" ROGERS
AIAA
ROBERT B. TARN
AIAA
- KEYNOTE SPEAKER LT. GENERAL THOMAS J. KECK
COMMANDER 8TH AIR FORCE
BARKSDALE AFB, LA
- SPECIAL PRESENTATIONS

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS – 2001

◆ *For outstanding qualities and meritorious achievements* ◆
within the field of engineering
Woodland Hills, California

PRESENTED IN ALPHABETICAL ORDER

Professor Ali Amini

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

All of Professor Amini's students remark on his ability to convey subject matter to them and on his concern for his students. As director of the Honors Co-op Program he has taken a lead in the College's interface with local industry.

James "Jim" Beck

Member of the Technical Staff
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For significant contributions to the X-33 nozzle and aerospike design analysis tool development efforts.

John "Jack" Carroll

Associate Tech. Fellow /Principal Engineering Specialist
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For outstanding creativity, achievements and mentoring within the field of engineering.

Mike Cochran

Engineer/Scientist,
Valves Design & Development Engineer
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For your valuable contributions to Boeing - Rocketdyne Propulsion and Power in the area of valve design and development.

Gregory Curry

Manager, IPT Leader
Northrop Grumman Corporation
El Segundo, California

For outstanding effort in leading several research and development projects resulting in the development of new B-2 technologies in the areas of nuclear blast effects and aircrew/crewstation protection.

Larry Dalton

Los Angeles Department of Water & Power
Los Angeles, California

For outstanding qualities and meritorious achievements in the field of engineering.

Scott Erickson

Senior Design Engineer
Lockheed Martin Aeronautics Company
Palmdale, California

For outstanding qualities and meritorious achievements in the field of engineering.

James Gilmore

Engineer/Scientist, Design Support Lead Engineer
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For providing outstanding materials and processing support to Rocketdyne propulsion systems for over 11 years. His pursuit of innovative technologies, especially in the development of higher quality and lower cost castings, has been crucial in meeting program cost, schedule, and performance goals.

Mark Horn

Engineer/Scientist, RBCC Team
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For Innovative, Enabling Hardware Designs and Design Process Improvements.

Jagadish Kariyappa

Operation Manager
Collins Signs
Buena Park, California

For outstanding qualities and meritorious achievements in the field of Lean Manufacturing

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS - 2001

George Law

Chief Engineer
Lockheed Martin Aeronautics Company
Palmdale, California

For outstanding qualities and meritorious achievements in the field of engineering.

Alfred Little

Senior Engineer-Rotating Machinery Development
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For outstanding team leadership and first time through success of the RS72 Turbopump.

Pin Long

Design Support Lead Engineer
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For providing outstanding technical support to the Space Shuttle Main Engine Program (SSME) over several years, providing failure analysis investigations critical in determining flight rationale and implementing design, produce and process improvements on SSME hardware, resulting in improved quality and flight safety.

Scott Monson

Engineer/Scientist, RS-68 Process Integrator
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For outstanding engineering achievements in the field of rocket engine design and development.

Charles G. "Chuck" Osberg

Lead Engineer & Project Manager
Northrop Grumman Corporation
Palmdale, California

For providing outstanding leadership for the success of the B-2 High Frequency Materials Engineering Program.

Karen Petersen

Flight Support & Analysis Engineer
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For outstanding qualities and meritorious achievements in the field of engineering.

Daniel A. Scott

F-18 Fuel Systems Product Development Team Leader
Northrop Grumman Corporation
El Segundo, California

For outstanding effort during the task of supporting the integration of Polyurethane as the construction base for the F-18E/F fuel cells.

William "Bill" Veljovich

Principal Technical Specialist, Structural Dynamics
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For outstanding achievements in engineering and development of engines.

Engineers' Council Proudly Provides this Forum

For Special Recognition and Presentations during National Engineers' Week
By IEEE to their Members and Student Contest Honorees

IEEE BIO-TECH APPLICATIONS 2001

Contest Theme:

To develop and present a concept using Electrical, Electronic, Biomedical, and/or Electro-Optical to assist a person's disability – or to improve a person's ability to manage tasks that usually require assistance.

Participating College's:

California State Polytechnic University – Pomona, California State University – Long Beach,
California State Polytechnic University - San Luis Obispo, and California State University - Los Angeles.

The 2001 winners are:

Jennifer Garrett, Angel N. Martinez, Ann Moore, and Antonio Jose Prieto Jr.

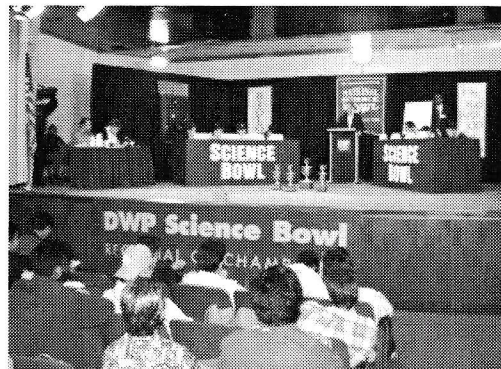
College contest sponsored by:

The IEEE Engineering Medicine and Biology Los Angeles Chapter, IEEE Coastal LA Section,
and the IEEE Los Angeles Council.

The Los Angeles Department of Water and Power – REGIONAL SCIENCE BOWL 2001

The winning high school team:

This year's contest with 42 high schools – for this year is: North Hollywood High School



Team Members

Daniel Bersohn
Julia Hu
David Lee
Jeanne Shen
Jeff Zira

Coach

Len Soloff

This team will represent our region in Washington D.C. at the National Competition against 61 other regional champions for the title of "2001 National Champions".

This DWP Regional Competition of the National Science Bowl is made possible by the generous support of the following organizations:

The Los Angeles Department of Water and Power, The Boeing Company, The Gas Company,
Water & Power Federal Credit Union, Institute of Electrical and Electronic Engineers (IEEE),
Los Angeles Unified School District, California Institute of Technology.

THE IEEE SAN FERNANDO VALLEY SECTION 2001 DISTINGUISHED SERVICE AWARDS

For Distinguished Volunteer Service to the IEEE Membership.

Honorees

Christopher Maddox
Charles K. Olsefsky
Sembiam Rengarajan

Sponsored by: The IEEE San Fernando Valley Section

CONGRATULATIONS TO THE 2001 IEEE FELLOWS!

For Achievements and Advancements in Electronics and Electrical Engineering

Dr. Jehoshua Bruck

For contributions to the theory and practice of parallel, distributed and fault-tolerant computing.

Dr. Massoud Pedram

For contributions to the theory and practice of low-power design and CAD.

Dr. Peter H. Siegel

NASA Jet Propulsion Laboratory
For contributions to the field of millimeter and submillimeter-wave radiometry, technology and space borne instruments.

Prof. Arthur Charles Gossard

Materials Dept., UCSB, Santa Barbara
For contributions to semiconductor microstructure fabrication.

Dr. Arvind Kumar Sharma

TRW
For contributions to active device and passive component modeling, and design of high power monolithic millimeter-wave integrated circuits.

Dr. Edward Anthony Rezek

For contributions to GaAs and InP monolithic microwave integrated circuits and optoelectronic devices.

Dr. Jason Cong

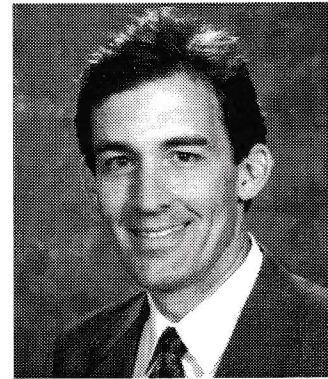
University of California, Los Angeles
For contributions to the computer-aided design of integrated circuits, especially in physical design automation, interconnect optimization, and synthesis of field-programmable gate-arrays.

Dr. Ali H. Sayed

University of California, Los Angeles
For contributions to adaptive filtering and estimation algorithms.

Sponsored by: The IEEE Los Angeles Council Members.

DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS - 2001



Richard Baily

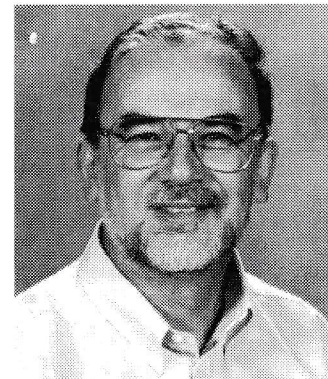
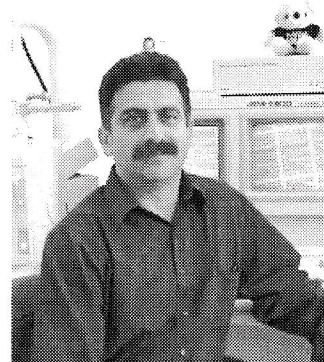
Division Director & Program Manager, RS-68
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

For outstanding technical and programmatic leadership of critical Boeing rocket engine and electrical power system development programs.

Professor Behzad Bavarian Ph. D

Professor, Mechanical Engineering
College of Engineering and Computer Science
California State University - Northridge

Professor Bavarian's continued commitment to the undergraduate research program in materials engineering is providing an important career path in industry and graduate school for students. Because of his outstanding reputation, he has been awarded 2.6 million dollars in grants during the current academic year.



Munir M. Sindir Ph. D.

Director, Advanced Analysis
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

In recognition of outstanding contributions to the advancement of Computational Fluid Dynamics and multidisciplinary probabilistic analysis as design tools.

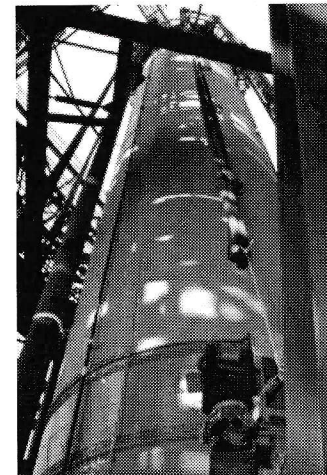
Warren Williamson

Design Specialist
Lockheed Martin Aeronautics Company
Palmdale, California

For outstanding qualities and meritorious achievements in the field of engineering.



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS - 2001



Delta Launch Vehicle Liquid Hydrogen Tank Test Team

The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

Team Members

Chris Alex
Jerry Bohr
Vince D'antonio
Steven Durick
John Earl

Fred Eastman
Eric Hofmann
Chris Hopkins
Randy Ingersoll
Terry Langowski
Cris Lilledahl

Glenn McCullough
Gary Perkins
Cory Pollock
Glenn Shindler
Steve Sitlington

accepting the project award:

Steven Durick

Project Manager / Team Leader

JSF X-35 Engineering Flight Certification Team

Lockheed Martin Aeronautics Company
Palmdale, California

Project Managers Accepting the Award

Mark Hotzclaw

X-35 Deputy Chief Engineer

Gary Kunitake

X-35 Structures IPT

Patrick Tait

X-35 VMS Deputy IPT

B-2 Force Management and Individual Aircraft Tracking System

Northrop-Grumman Corporation
Palmdale, California

Team Members

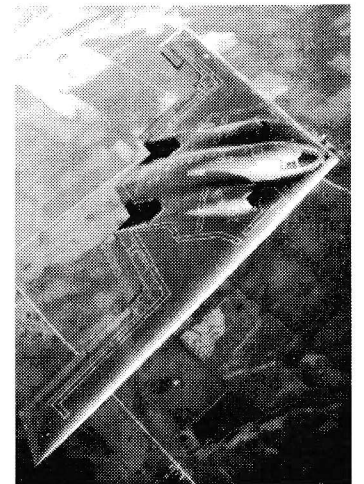
Dr. Jeffrey Bunch
Robert T. (Terry) Britt
Joel Chesler
Ken Jonaitis
Dave McCauley

Richard Rose
Mark Siegel
Perry Tanouye
Bob Tashiro

accepting the project award:

Robert T. (Terry) Britt

Manager, Flight Sciences & Structural Tracking

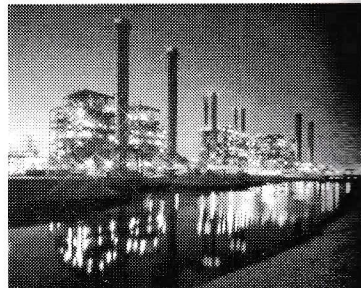


Energy Resource Cultivation: Generation, Grid Operations & Engineering (Dispatching, Scheduling, Security Analysis, Transmission Engineering), Power Quality Program

The Los Angeles Department of Water & Power
Los Angeles, California

Team Members

Manuel F. Perez
Robert C. Beaudry
Sueyen H. Mao
Randy S. Howard



Accepting the Project Award:

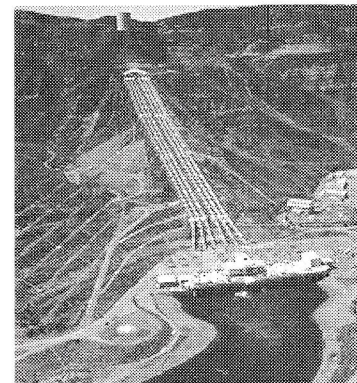
Thomas J. McCarthy
Bulk Power Business Unit Director

Energy Management: Computer Control & Support, Market Analysis, Trading, Gas and Coal Management, Regulatory Analysis, Power Contracting, Open-Access Transmission Program, Fiber-Optic Enterprise Program

The Los Angeles Department of Water & Power
Los Angeles, California

Team Members

Thomas J. McCarthy
Minh T. Le
Michael S. Webster
Robert A. Pettinato
Bruce N. Hamer



Accepting the Project Award:

Thomas J. McCarthy
Bulk Power Business Unit Director

Propulsion System Design for Reliability

The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

Team Members

Zhoefeng Huang
Olympia La Point
David Louie



accepting the project award:

Zhoefeng Huang
Project Manager / Team Leader

B-2 Ironbird Relocation to Tinker AFB

Northrop-Grumman Corporation
Palmdale, California

Team Members

Bobby Drake
Nate Sheffield
Anthony Vandermost
James T. Vaughn



Accepting the project award:

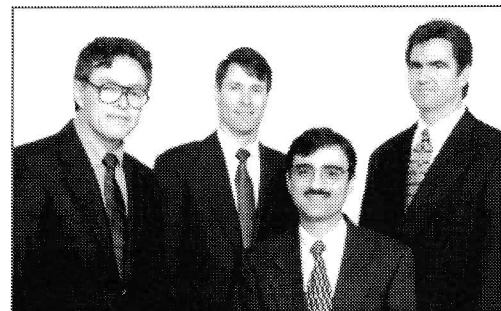
James T. Vaughn
Project Manager

LN-250 Inertial Navigation System

Litton Guidance & Control Systems
Woodland Hills, California

Team Members

Neal J. Dahlen
Jonathan A. Lincoln
Daniel A. Tazartes
James G. Welker



accepting the project award:

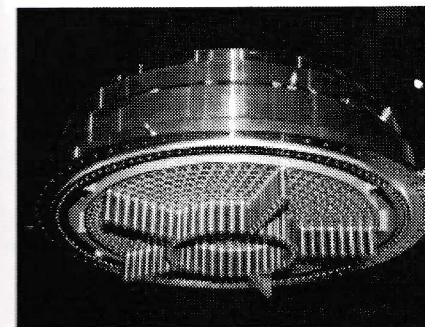
Neal J. Dahlen
Research Scientist

RS-68 Main Injector Team

The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

Team Members

William S. Brown
Felix Delgado
Fred Dodd
Tom Emerson
Glenn Johnson
Bradley Lichwala
Ken Miller
Brett Poulsen
William Templin
Don Ulmer
Rick Wilson
Robert Wilson



Accepting the project award:

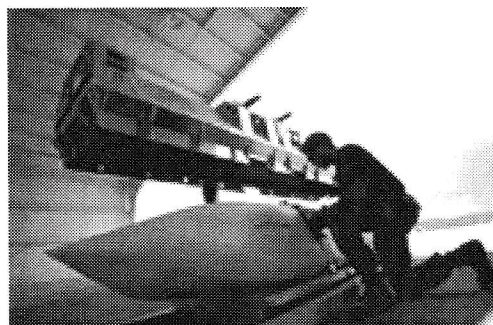
William S. Brown
Project Manager / Team Leader

Joint Air to Surface Standoff Missile (JASSM) Aerodynamics

Lockheed Martin Aeronautics Company
Palmdale, California

Team Members

- Gary E. Arnold
- Lee J. Buchok
- David N. Byrne
- Robert V. Langberg
- Victor Lyman
- David R. Pehrson
- Thomas Pugh
- J. Franklin Ramsay
- Michael P. Unger
- Nader J. Ziada



Accepting the project award

Thomas Pugh

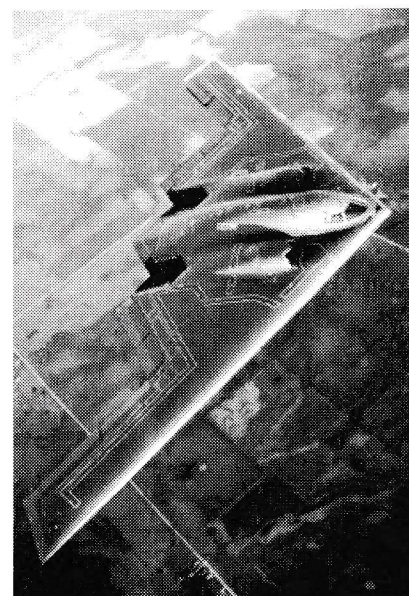
Project Manager / Team Leader

B-2 Nozzle Ceramic Coating Repair Process

Northrop-Grumman Corporation
Palmdale, California

Team Members

- Jim Bohlen
- John Eager
- Tom Fagan
- William Karp
- Michael Mann
- Scott Mueller
- Steve Null
- Michael L. Peters
- Mike J. Peters
- Tom Seitz
- Blake Tatsuta
- Brian Turrill
- John Willis



Accepting the project award

John Eager

Manager, B-2 modification Engineering

Michael Mann

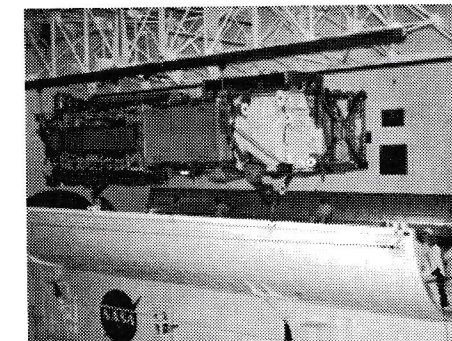
Project Manager

**Design & Deliver to Orbit of
International Space Station Solar Power Module**

The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

Team Members

- | | |
|----------------|--------------------|
| Bob Allen | Diane Osmer |
| Glenn Estes | Mike Ray |
| Gyan Hajela | Herb Smith |
| Tim Heaps | Ganesan Subbaraman |
| Chris Neubauer | Rob Wilde |
| Kevin O'Hara | Chyrl Yeatts |



Accepting the project award

Kevin O'Hara

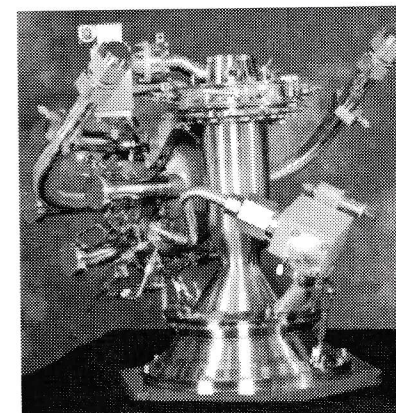
Project Manager / Team Leader

**RS-72 Pathfinder
Upper Stage Engine Test Program**

The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

Team Members

- | | |
|-----------------|------------------|
| David Becht | Duc Nguyen |
| David Crisali | Roger Richardson |
| Alan Darby | Maria Subbaraman |
| Nicole Howard | Craig Tang |
| Alfred Little | Patricia Thurman |
| Ronald Neumeier | Jon Volkman |



Accepting the project award

Jon Volkman

Project Manager / Team Leader

F-117 RACE/RePlace

Lockheed Martin Aeronautics Company
Palmdale, California

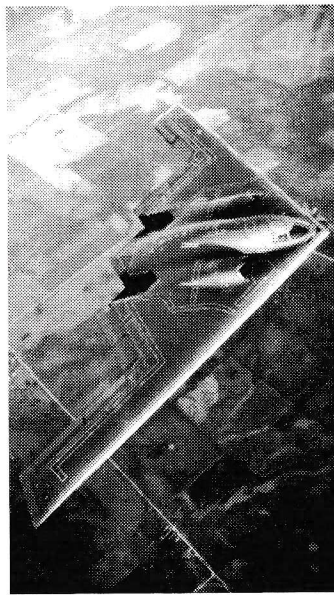
Project Managers Accepting the Award

William "Bill" Lanz

Airborne Software Group Engineer

Claude Parker

System Software Specialist



**B-2 Alternate High Frequency Materials (AHFM)
Low Observables System**

Northrop-Grumman Corporation
Palmdale, California

Team Members

Elliott M. Brown	Richard K. Pemberton
Rebecca L. Hooper	R. L. "Ron" Rogers
Jeffrey T. Jazwiecki	Jarrett Sadowsky
David G. Mazur	William S. Speck
Thomas J. Morrison	J. Mark Storey
Charles G. "Chuck" Osberg	

Accepting the project award
Charles G. "Chuck" Osberg
Lead Engineer and Project Manager
R. L. "Ron" Rogers
Manager B-2 Structures Design & Analysis

**B-2 Alternate High Frequency Materials (AHFM)
Flight Testing**

Northrop-Grumman Corporation
Palmdale, California

Team Members

Robert Amend	Charles Shea
Roger Hecht	Mike Smole
Tim Johnson	John Studt
Mark Meeks	Tom Tolliver
Jerry Olsen	Dean Warren
Ron Panto	John Wolling
Steve Schirmbeck	

Accepting the project award
Tom Tolliver
Air Vehicle Manager, B-2 Follow On Flight Test IPT

Robotic MAGRAM Application on B-2

Northrop-Grumman Corporation
Palmdale, California

Team Members

Jerry Brimer	Richard Pemberton
Andrew Jakubek	Peter Seher

Accepting the project award
Richard Pemberton
Manager, B-2 Process Engineering

Special Presentation

Brigadier General Charles E. (Chuck) Yeager
International Aeronautical
Achievements Award - 2001

by

Ed R. Glasgow
ADP Technical Director
Lockheed Martin Aeronautics Company
Palmdale, California

to

Lt. General Thomas J. Keck
Commander 8th Air Force
Barksdale AFB, La



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.

Past Recipients

Robert R. Sandusky Jr. FIAE 1991	Joseph T. Gallagher 1993	Jack Real 1996	Bruce Hinds 1999
no presentation 1992	Edward C. "Pete" Aldridge Jr. 1994	David L. Ferguson 1997	Jon S. Beesley 2000
	Franklin Chang Diaz 1995	Maj. Gen. Richard L. Engel, USAF 1998	

**DISTINGUISHED ENGINEERING EDUCATOR
OF THE YEAR AWARD - 2001**

Presented by

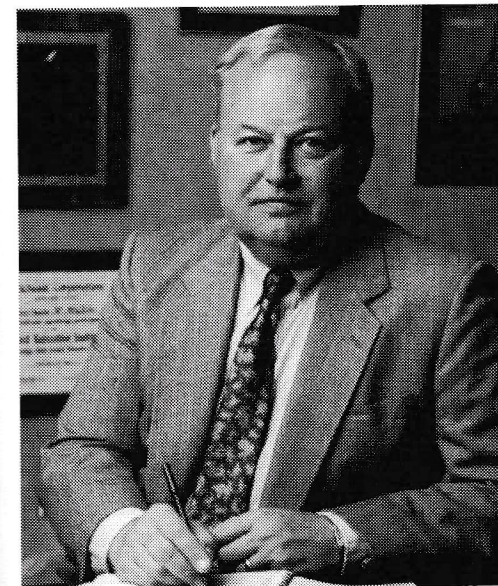
DR. LAURENCE S. CARETTO
Dean of Engineering and Computer Sciences
California State University at Northridge CSUN/CECS
Northridge, CA

to

DR. SHARLENE KATZ
Professor - Electrical Engineering
College of Engineering & Computer Science
California State University - Northridge
Northridge, CA



Special Presentation



*Clarence L. "Kelly" Johnson Memorial
Lockheed Martin Skunk Works Award 2001*

by

Richard W. Baker
Vice President & General Manager
Lockheed Martin Aeronautics Company
Palmdale, California

to

Sherman N. Mullin
President Emeritus
Lockheed Martin Aeronautics Company
Palmdale, California

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 antisubmarine 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 with 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	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
General Howell M. Estes III	1997
Lt. Gen. George K. Muellner	1998
Natalie W. Crawford	1999
Burt Rutan	2000

2001 AWARDS & PRESENTATIONS

Special Presentation

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

by

John B. Plowden
Vice President and Deputy General Manager
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

to

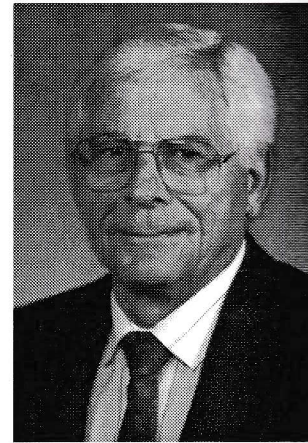
Maynard L. Stangeland
Chief Engineer
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

*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	Byron K. Wood 1997
	Sherman Mullin 1999	James S. Paulsen 2000	Jim Albaugh 1998

ENGINEER OF THE YEAR AWARD - 2001

Presented by

JOHN B. PLOWDEN
Vice President and Deputy General Manager
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

to

DR. CHARLES VOLK
Vice President Engineering
Litton Guidance & Control Systems
Woodland Hills, California

PETER RECCHIA OMNI MEMORIAL AWARD - 2001

Presented by

JOHN B. PLOWDEN
Vice President and Deputy General Manager
The Boeing Company - Rocketdyne Propulsion & Power
Canoga Park, California

to

DR. CHARLES VOLK
Vice President Engineering
Litton Guidance & Control Systems
Woodland Hills, California

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, 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."

**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 Advanced 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, CA
- 1996 Ernest Schaeffer, President, Schaeffer Magnetics, Inc., Chatsworth, CA
- 1997 Paul B. Smith, President, Rocketdyne, Canoga Park, CA
- 1998 Anthony Joseph Spear, JPL/Caltech, Pasadena, CA
- 1999 Robert Goetz, V.P. Engineering, Lockheed Martin Skunk Works, Palmdale, CA
- 2000 Dr. Michael E. Polites, Deputy Manager, Avionics Dept., NASA/Marshall Space Flight Center, Huntsville, Al

ENGINEERS' COUNCIL

Woodland Hills, California

2001 ENGINEERS WEEK COMMITTEE AND OFFICERS

- Steven Berroth, Northrop Grumman Corporation, IEEE
- Dr. Laurence S. Caretto, Dean Engineering CSUN, CECS, Northridge, CA
- Larry Dalton, Awards Banquet Committee, IEEE (LADWP)
- Milton D. Garland Jr., P.E., FIAE, Secretary/Treasurer, CSPE
- Dr. John J. Guarrera, P.E., FIEEE, FIAE, Chairman Awards Committee, NSPE, ASEE
- Lloyd W. Higginbotham, FIAE, President and CEO, SME
- Walter C. Korp, FIAE, Awards Banquet Committee, SME
- Charles C. Olsefsky, P.E., FIAE, Awards Banquet Committee, IEEE
- Dr. A. F. "Rick" Ratcliffe, P.E., FIAE, Awards Committee, IEEE
- R. L. "Ron" Rogers, Northrop Grumman Corporation, AIAA
- Roland V. Roggero, P.E., FIAE, Chairman Program Committee, ASHE, CSHE, NFPA, ICBO
- Robert B. Tam, The Boeing Company - Rocketdyne Propulsion & Power, AIAA

**ENGINEERS' COUNCIL
2001 BOARD OF TRUSTEES***

- | | |
|--|--|
| <ul style="list-style-type: none"> Dr. Robert Budica Dr. John J. Guarrera Dr. William F. Hassel Lloyd W. Higginbotham Walter Koehler Myron Martin Dr. A. F. Ratcliffe | <ul style="list-style-type: none"> James Ritchey Roland V. Roggero Dr. Charles Sanders Clifford Sheipe Cliff Terry Robert Vaughn |
|--|--|

* Made up of Past Presidents

PAST RECIPIENTS

HONORARY ENGINEER OF THE YEAR AWARD

- 1969 Edward Reineke, California Lt. Governor
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., Los Angeles, 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
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
1997 Donna Shirley, Jet Propulsion Laboratory/Caltech, Pasadena, CA

MATHCOUNTS 2001

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 fourteenth 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 2001 COMPETITION.

IN APPRECIATION

AIAA SAN FERNANDO VALLEY	GENERAL DYNAMICS ELECTRIC	SAN DIEGO
ASM SAN FERNANDO VALLEY	HIGGINBOTHAM ASSOCIATES IEEE/PES-LOS ANGELES	NORTHROP GRUMMAN CORP., HAWTHORNE
ASQC SAN FERNANDO VALLEY	IEEE SAN FERNANDO VALLEY	NORTHROP GRUMMAN CORP., CENTURY CITY
THE BOEINGCOMPANY, ROCKETDYNE PROPULSION & POWER	LOCKHEED MARTIN SKUNK WORKS	ROLAND ROGGERO ASSOCIATES
CSHE LOS ANGELES CHAPTER	MOOG CORP. SCHAEFFER MAGNETICS DIVISION	SME CHAPTER 173
CSPE SAN FERNANDO VALLEY	NORTHROP GRUMMAN B-2 DIV., PALMDALE	SME REGION 012
CSULA		SOCIETY OF WOMEN ENGINEERS
CSUN, CECS	NORTHROP GRUMMAN (RAC)	

The Skunk Works. . .

*Proudly congratulates the
2001 Engineers' Council Award Winners.*

*These dedicated professionals,
through their creativity and determination
are meeting complex technological
challenges and making invaluable
contributions to the security, prosperity
and quality of our lives.*

LOCKHEED MARTIN 

**Rocketdyne
Propulsion & Power
Congratulates the
2001 Engineers'
Week Award Winners!**

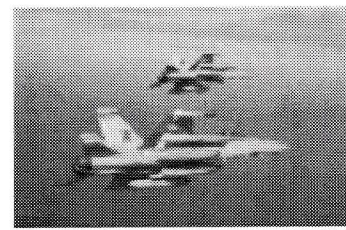
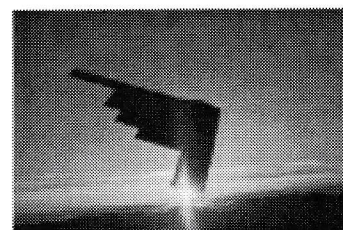
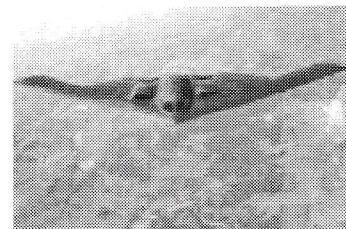
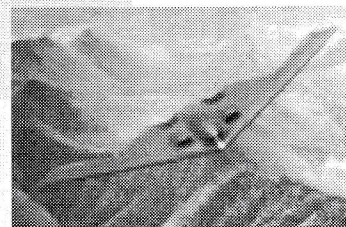
 **BOEING**[®]

ISS

NORTHROP GRUMMAN

Salutes

The Recipients of the 2001 Engineers' Council Achievement Awards



Northrop Grumman and its employees are proud to help provide the world's most advanced military systems and to support the communities where our employees live and work.

Building Quality Products

Building Community Relationships

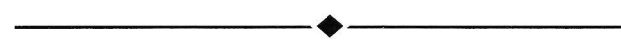
Integrated Systems Sector
www.iss.northgrum.com

Congratulations 2001 Awardees

**ROLAND ROGGERO ASSOCIATES
ENGINEERS**

- FACILITIES MANAGEMENT
- HEALTH CARE ENGINEERING
- ENVIRONMENTAL MANAGEMENT

4338 N. OAK GLEN STREET CALABASAS, CALIFORNIA



*Congratulations And
Best Wishes!
To The 2001 Awardees*

HIGGINBOTHAM ASSOCIATES

RESOURCES MANAGEMENT

24310 Calvert Street Woodland Hills, California 91367-1113 (818) 992-8292

Congratulations!
**2001 ENGINEERS'
WEEK AWARDEES**

ENGINEERS' COUNCIL

WOODLAND HILLS, CALIFORNIA



CALIFORNIA STATE UNIVERSITY NORTHRIDGE
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

The Los Angeles Department of Water and Power
Recognizes
The Accomplishments of Engineers in Southern California
and Congratulates

TWO TEAMS OF WATER AND POWER EMPLOYEES

&

The LADWP 2001

Regional Science Bowl Champions

Green Power for a Green LA
Solar Photovoltaics
Energy Efficiency
Cool Schools Tree Planting
Electric Vehicles
New Technologies
Energy Efficiency
Recycling Programs



www.GreenLA.com
1-800-GreenLA