

SAN FERNANDO VALLEY ENGINEERS COUNCIL

1990

HONOR AWARDS GALA BANQUET SOUVENIR PROGRAM



HONORARY ENGINEER OF THE YEAR

Dick Cheney
United States Secretary of Defense

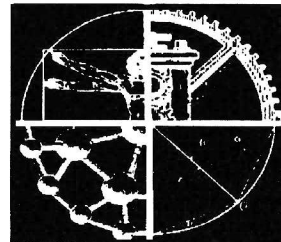
DISTINGUISHED KEYNOTE SPEAKER

Dr. O'Dean Judd
Chief Scientist

Strategic Defense Initiative Organization



ENGINEERS



TURNING IDEAS
INTO REALITY

In Celebration of
National Engineers Week

February 18 - 24, 1990

A MESSAGE FROM OUR PRESIDENT, DR. A. F. "RICK" RATCLIFFE



Once again I'd like to welcome you to one of the many events celebrating National Engineers Week. The theme this year is again "Engineers - Turning Ideas into Reality." Already this week there have been the IAE Fellows Installation Luncheon, the Town Hall/LACES Luncheon, IAE Awards Banquet special programs at the California Museum of Science and Industry, and more. But this year, the beginning of a new decade (the last of this century), comes as the culmination of a year of startling and significant changes, not only for engineers, but for our society as a whole. The personal letter you will find in your program from President George Bush underscores this fact.

Tonight's keynote speaker comes from the Defense Department. As many Californians -- especially residents and employees in the San Fernando Valley -- recognize, the current activities and the future plans of that segment of the federal government profoundly affect the directions taken by our industries.

These are indeed tumultuous times and many economic planners and local government agencies are facing the future with fear and trepidation. But as some long-forgotten philosopher once said, "Think of these not as problems, but as opportunities."

It may become necessary for industry and engineering education to make changes, to redirect our design and manufacturing expertise to tasks which have been suffering from neglect the last twenty years. Among these tasks are the application of CAM, CAD, and CIM to the manufacture of commodities for world markets and the redesign, refurbishing, and extension of our nation's infrastructure of highways, bridges, and dams. The Governor of California, George Deukmejian, has already sounded the cry for a revitalization of our state's roads and buildings.

The San Fernando Valley Engineers Council is prepared to do its part in seizing the opportunities presented to us. The Council is composed of approximately 35 different engineering societies and includes more than 80,000 engineers and scientists. It maintains its commitment to support a variety of educational institutions, participates in career days at high schools and colleges, and is also a leader in Math-Counts programs designed to help junior high school students become proficient in science and mathematics. The Council also recognizes the changing demographics of the U.S. -- and especially California. As Dean of the School of Engineering and Computer Science at California State University, Northridge, I am fully aware of the needs that the Council has recognized and quietly addressed and I solicit your continued support for our combined activities.

Engineers do turn ideas into reality and we have been given a new set of challenges to prove it. With your help, we shall overcome.

SAN FERNANDO VALLEY ENGINEERS COUNCIL

A BRIEF HISTORY

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

Over the next several years, the Council's activities grew from a joint meeting of these societies to what has grown 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 twenty years, a host of nationally known engineers has have proudly received this award including Christopher C. Kraft, Jr., Dr. David R. Scott, Major General James W. Stansberry, Former President Ronald Reagan and Malcolm Baldrige.

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 each annum to the Engineer of the Year.

In 1977, 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 to aeronautical engineers who work on a global level. The 1988 award was presented to General Joe Engle, astronaut and Brigadier General in the Air National Guard. Last year's recipient was Robert A. Hoover, famed test pilot.

This year, for the first time, the Council will present the William B. Johnson Memorial Award. Recipient of the award is George Hallinan of the Rocketdyne Division of Rockwell International, Inc.

Through the years, the San Fernando Valley Engineers Council has presented over 650 awards which recognized outstanding contributions by individuals in our community and throughout the world in the fields of engineering, education, and public service.

SAN FERNANDO VALLEY ENGINEERS COUNCIL

San Fernando Valley, California

35th Anniversary

HONOR AWARDS GALA BANQUET DANCE

Saturday, February 24, 1990

- SOCIAL HOUR - 6:30 P.M.**
- WELCOME - 7:30 P.M.** Dr. A. F. "Rick" Ratcliffe, FIAE
Dean, School of Engineering and Computer Science
California State University, Northridge
President, San Fernando Valley Engineers Council
- SALUTE TO THE FLAG**
- INVOCATION** Charles P. Pickins, Chaplain
Sepulveda Veterans Administration Medical Center
- DINNER**
- INTRODUCTIONS** Dr. A. F. "Rick" Ratcliffe
- PRESENTATION OF AWARDS**
- KEYNOTE ADDRESS**

"Recent Advances in Technology for the Strategic Defense Initiative"
by
Dr. O'Dean Judd, Chief Scientist
Strategic Defense Initiative Organization
- CLOSING REMARKS** Dr. A. F. "Rick" Ratcliffe
- DANCING WITH THE SWING-INEERS**

The 1990 Program of the San Fernando Valley Engineers Council
Honor Awards Gala Banquet Dance
is dedicated to the memory of

William B. Johnson, PE, FIAE (1922 - 1989)

1990 AWARDS AND PRESENTATIONS

Special Presentation The William B. Johnson Memorial Award

by
Jim C. Hoover, Vice President
Manufacturing Technology
Northrop Corporation
Hawthorne, CA

— to —

George J. Hallinan, PE, FIAE
Vice President & Program Manager
Space Station Power
Rocketdyne Division
Rockwell International
Canoga Park, CA

Engineering Merit Awards (Presented in Alphabetical Order)

John Q. Adams, Manager
Technical Staff
ITT Gilfillan
Van Nuys, CA

"In recognition of his contributions to integrated electronics systems making possible 3-dimensional radar systems and solid state radar for automated target detection systems of the future."

Karl G. Balke, Staff Engineer
CONTEL Federal Systems
Westlake Village, CA

"In recognition of the contribution of software development for the profession of software engineering."

Behzad Bavarian, Professor
Civil and Industrial Engineering and Applied Mechanics Department
School of Engineering and Computer Science
California State University, Northridge

"For distinguished contributions in corrosion and material research."

Rol Behnke, PE, FSME, FIAE
Facilities Project Engineer
McDonnell Douglas, Helicopter Division
Culver City, CA

"In recognition of dedicated service to the engineering community and contributions to the citizens of the San Fernando Valley."

Michael A. Ciminera, Staff Engineer
A.I.L. Systems, Inc.
A Subsidiary of Eaton Corporation
Westlake Village, CA

"For outstanding professional qualities and innovative achievement within the field of RF/microwave engineering."

Isaac V. Cohen, President
Victor Engineering Company, Inc.
Vernon, CA

"For contributions to the engineering community in industry and productivity in the field of materials handling management."

Michael A. Dincau, Principal Investigator
Lockheed Aeronautical Systems Co.
Burbank, CA

"For his leadership, inspiration and contribution in development of CADAM, the new generation of CAD/CAM system for solid modeling and display of 3-dimensional complex aerospace assemblies."

Carl F. Ehrlich, Project Manager
Rockwell International
Downey, CA

"For his dedication and leadership in contributing to advances and success in manned-space-launch vehicles and crew emergency rescue for space activities."

Dr. Neda S. Fabris, Professor
Mechanical Engineering Department
California State University, Los Angeles

"For successfully developing and teaching manufacturing engineering courses in mechanical engineering at CSULA."

James R. Fenwick, FIAE
Senior Principal Engineer
Rocketdyne Division, Rockwell International
Canoga Park, CA

"In recognition of outstanding contributions and dedication to the engineering profession for rocket propulsion and complex fluid/structure/control systems."

Dr. Leslie G. Fritzemeier, FIAE
Materials Engineering and Technology
Rocketdyne Division, Rockwell International
Canoga Park, CA

"For his contributions to the understanding of advanced materials and materials for processing."

Alan L. Hallden, FIAE
Chief Program Engineer
Space Shuttle Main Engine
Rocketdyne Division, Rockwell International
Canoga Park, CA

"In recognition of outstanding technical leadership in preparing and delivering the space shuttle main engines in support of the United States manned space flight program."

Ichiro Hashimoto, Professor
Electrical and Computer Engineering Department
School of Engineering and Computer Science
California State University, Northridge

"For contributions to courses in RF electronic design and program development."

Donald P. Hesseldenz, General Manager
Zipco, Inc.
Burbank, CA

"For distinguished contributions to industry and the community by his leadership, creativity and management abilities."

Stephen J. Hornvak, Reliability Engineer
A.I.L. Systems, Inc.
A Subsidiary of Eaton Corporation
Westlake Village, CA

"For outstanding professional qualities and innovative achievements within the field of RF/Microwave engineering."

William B. Hsu, Director
Science and Technology
H. R. Textron
Valencia, CA

"Recognized in the engineering community for his support of academia, his enhancement of academic principles and the engineering curriculum, and his outstanding contributions in the advancement of high pressure/composite aerospace controls systems."

Richard J. Kaltenbach, Radar System Engineer
ITT Gilfillan
Van Nuys, CA

"In recognition of his excellence in translating radar system requirements into working radar systems by dedicated attention to diverse details through which true success is achieved."

Dr. Kenneth Li, Director
Component Development
P.C.O., Inc.
Chatsworth, CA

"For distinguished professional activities and for providing encouragement and technical expertise to engineers in the growing field of fiber optic communications."

Robert A. Lincoln, Manager
SSME Test Operations
Rocketdyne Division, Rockwell International
Canoga Park, CA

"For his contributions and outstanding leadership in management of space shuttle main engine hot fire test operation."

Shaun Manesh, Director of Operations
Advanced Compression Technology
Westlake Village, CA

"In recognition of dedicated service to the engineering community demonstrated by contributions towards a world class manufacturing environment."

Luis Miranda, FIAE
Head
Flight Sciences Division
Lockheed Aeronautical Systems Co.
Burbank, CA

"In recognition of outstanding contributions in establishing professional activities and advancement of engineering technology in aircraft systems."

Fredrick P. Nitz, Director
SSME Technical Specialties
Rocketdyne Division, Rockwell International
Canoga Park, CA

"For his leadership and contributions in the development of structural design criteria and resolution of complex technical issues surrounding the manufacturing of the space shuttle main engine."

Gary H. Ratekin, FIAE
Manager
National Aero-Space Plane (NASP)
Rocketdyne Division, Rockwell International
Canoga Park, CA

"For his leadership and significant contributions in understanding computational analysis methods for aerodynamics in flow, heat transfer, and thermodynamics as applied to the NASP design goals."

K. Frank Sayano
ITT Gilfillan
Van Nuys, CA

"For outstanding contributions in the development of advanced electronic systems concepts of short range anti-air warfare and bistatic radar systems critical to our air defense services."

Walter S. Schneider, Manager
CATIS Applications Programs
CONTEL Federal Systems
Information Management Division
Westlake Village, CA

"In recognition of numerous outstanding and innovative contributions to the design and engineering profession criteria for real-time command control and communications software development."

Paul F. Seitz, Deputy Chief Program Engineer
SSME Technical Specialties
Rocketdyne Division, Rockwell International
Canoga Park, CA

"For outstanding contributions in the management of space shuttle main engine flight operations."

Yehuda Shapira, Design Engineer
H. R. Textron, Inc.
Valencia, CA

"For his contributions in developing a unique servoactuation system design in special access programs and lightweight modular pump applications which will enhance our Fixed Wing and Helicopter Fluid Control Systems in the '90s."

Henry S. Steinfeld, FIAE
Lt. Commander USN
NATF Project Officer
Naval Plant Representative Office
Burbank, CA

"For innovative contributions to the engineering profession in aviation operations, both ashore and afloat, which have a positive impact on our national defense."

Charles E. Tennant, Manager
Site Support Engineering
CONTEL Federal Systems
Information Management Division
Westlake Village, CA

"Recognized for sustained excellence in the field of software engineering design."

Roger L. Turner, Program Manager
Lockheed Aeronautical Systems Co.
Composites Development Center
Burbank, CA

"For his leadership and contribution in advancing the technology of computer integrated engineering and manufacturing termed 'Seamless Connectivity'."

Russell L. Turpin, Senior Material and Process Engineer
Lockheed Aeronautical Systems Co.
Burbank, CA

"For his leadership and contributions in development of advanced technology for encapsulated thermoplastic particles for use in aerospace composites."

John H. Wetzel, FIAE
President, CEO and Director
Dynatech Microwave Technology
Calabasas, CA

"In recognition of leadership and service to the engineering community by his contribution to the development and manufacturing of micro-electronics for strategic military and commercial aerospace."

Math- Count Student Recognition

The San Fernando Valley Engineers Council recognizes and congratulates the award winners in the 1990 National Society of Professional Engineers Math- Count competition.

Honorary Engineer of The Year

The Honorable, Dick Cheney
Secretary of Defense of the United States of America

Distinguished Scientist Fellow, Institute for the Advancement of Engineering

Dr. O'Dean P. Judd, FIAE
Chief Scientist,
Strategic Defense Initiative Organization

Distinguished Engineering Achievements

Mohamed I. Elgafi, FIAE
President,
E.M.&C. Engineering
Costa Mesa, CA

Distinguished Engineering Achievements

John J. Erlinger, FIAE
Director of Engineering
Rantec Microwave & Electronics, Inc.
Calabasas, CA

Distinguished Engineering Achievements

Dr. David E. Hammers, FIAE
Director of Advanced Systems Engineering
ITT Gilfillan
Van Nuys, CA

Distinguished Engineering Achievements

Alfred J. Potthast, FIAE
Department Manager
Flight Control Systems
Lockheed Aerospace Systems, Co.
Burbank, CA

Distinguished Bio-Medical Engineering Achievements

Dr. Malcolm G. Ridgway, FIAE
Vice President
Hospital Council of Southern California
Van Nuys, CA

Engineer of the Year

William F. Ezell, FIAE
Vice President
Engineering and Testing
Rocketdyne Division, Rockwell International
Canoga Park, CA

Presented by the 1989 award winner
Paul H. Lane, Former General Manager and Chief Engineer
Los Angeles Department of Water and Power
Los Angeles, CA

Peter Recchia Omni Memorial Award

William F. Ezell, FIAE
Vice President
Engineering and Testing
Rocketdyne Division, Rockwell International
Canoga Park, CA

Presented by the 1989 award winner
Paul H. Lane, Former General Manager and Chief Engineer
Los Angeles Department of Water and Power
Los Angeles, CA

Corporate Recognition

Rocketdyne Division, Rockwell International
Canoga Park, CA

Accepted by
Robert D. Paster, President
Rocketdyne Division, Rockwell International

The Peter Recchia Omni Memorial Award

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

PAST RECIPIENTS OF THE ENGINEER OF THE YEAR AWARD - SAN FERNANDO VALLEY

- 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
- 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
- 1967 James A. Roadston, Rocketdyne
- 1968 Dr. Arnold M. Levine, ITT Aerospace
- 1969 Willis M. Hawkins, Lockheed Aircraft Corporation
- 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 A. Green, Lockheed California Company
- 1975 Mathew C. Ek, Rocketdyne
- 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
- 1981 Ben R. Rich, Lockheed California Company
- 1982 Dr. Paul B. Mac Cready, President, AeroVironment, Inc.
- 1983 Charles G. Fargo, Rockwell International
- 1984 Dr. Malcolm Currie, Hughes Aircraft Company
- 1985 Phillip V. King, PE, FIAE, City of Los Angeles
- 1986 Sophia K. Ashley, P.E., Naval Civil Engineering Laboratory,
Port Hueneme, California
- 1987 Dr. Rodney A. Boudreaux, FIAE, Vice President, Engineering,
Space Orbiter Division, Rockwell International, Downey, California
- 1988 George J. Hallinan, PE, FIAE, Vice President, Space Station Power
Rocketdyne Division, Rockwell International
- 1989 Paul H. Lane, General Manager and Chief Engineer, Los Angeles
Department of Water and Power, Los Angeles, California

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

- 1970 William Lear, Chairman of the Board, Lear Motors, Reno, NV
- 1971 Willard F. Rockwell, Jr., Chairman of the Board,
Rockwell International
- 1972 The Honorable Donald R. Jackson, Deputy Assistant Secretary,
U.S. Air Force
- 1973 Daniel J. Haughton, Chairman of the Board,
Lockheed Aircraft Corporation
- 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, V.P. & 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. Berrett, President and CEO, Computervision
Corporation, Bedford, MA
- 1985 Len J. Weaver, CEng, Executive Chairman, Polymark
International, 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

SAN FERNANDO VALLEY ENGINEERS COUNCIL

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*Industry Advisory Board is made up of past presidents

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS ◊ AMERICAN INSTITUTE OF INDUSTRIAL
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SME ◊ ROBOTIC INTERNATIONAL OF SME ◊ SOCIETY OF HISPANIC PROFESSIONAL
ENGINEERS ◊ SOCIETY OF LOGISTICS ENGINEERS ◊ SOCIETY OF FIRE PROTECTION
ENGINEERS ◊ SOCIETY OF MANUFACTURING ENGINEERS ◊ SOCIETY OF TECHNICAL
WRITERS AND PUBLISHERS ◊ SOCIETY OF VALUE ENGINEERS ◊ SOCIETY OF WOMEN
ENGINEERS ◊ STANDARDS ENGINEERING SOCIETY

SAN FERNANDO VALLEY ENGINEERS COUNCIL
1990 ENGINEERS WEEK COMMITTEE AND OFFICERS

Dr. A.F. Ratcliffe, PE, FIAE, President, Dean, School of Engineering and
Computer Science, California State University, Northridge (CSUN)
Harlan L. Russ, PE, FIAE, Past-President, Chairman,
Industry Advisory Board, SME
Roland V. Roggero, PE, FIAE, Chairman Program Committee, ASHE, CSHE, NGS
Cliff Terry, PE, FIAE, Awards Banquet Committee, SME, NMA, CASA, CSPE
John Guarrera, PE, FIEEE, FIAE, Chairman, Awards Banquet Committee,
NSPE, CSPE, NCGA, ASEE, IEEE
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Jim Mills, FIAE Awards Banquet Committee, ASM, SME, AFA
Vince Camarillo, PE, Awards Banquet Committee, SHPE
Carol Seidel, Secretary to the Council, Secretary to the Dean,
School of Engineering and Computer Science, CSUN
Kathleen Chase, Publicist for the Council, Associate Director, Development
& Public Relations, School of Engineering and Computer Science, CSUN
Deanna Gomez, Coordinator for the Council, Secretary, Center for Research
and Services, School of Engineering and Computer Science, CSUN

IN APPRECIATION

Aerospace Company
California State University, Northridge
DiPeri Manufacturing Corporation
H. R. Textron
Hughes Aircraft
ITT Gilfillan
Lockheed Aeronautical Systems Co.
Lloyd Higginbotham & Associates
Menasco, Inc., Colt Industries
Coldwell Engineering Services

Northrop Corporation
The Odyssey Restaurant
Rocketdyne Division,
Rockwell International
Roland Roggero & Associates
San Fernando Florist
W. R. Burr Consultant, Inc.
Clark & Wheeler Engineering, Inc.
Westlake Medical Center
Richard Daniel Clark

CONGRATULATIONS

To engineers selected for awards
for outstanding effort
in

"Turning Ideas Into Reality"

We are proud and we thank you for demonstrating
your excellence in
aerospace engineering!

 **Lockheed**
Aeronautical Systems Company

The program for the 35th Annual San Fernando Valley Engineers Council
Honor Awards Gala Banquet has been printed
through the generosity of
Rocketdyne Division, Rockwell International.

**ROCKETDYNE
CONGRATULATES THE
SAN FERNANDO VALLEY
ENGINEERS
COUNCIL
1990 AWARD RECIPIENTS**

ENGINEER OF THE YEAR

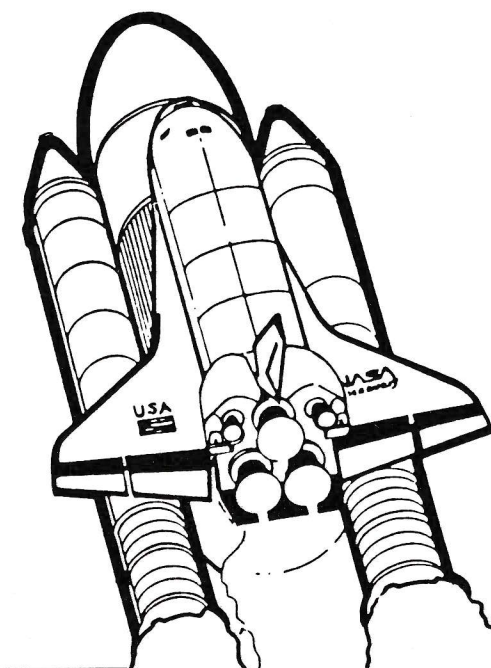
William F. Ezell, FIAE
Vice President
Engineering and Testing
Rocketdyne Division
Rockwell International
Canoga Park, CA

ENGINEERING '90
MERIT AWARDS

Congratulations to the Rocketdyne Team!

ON WINNING THE SAN FERNANDO VALLEY ENGINEERS COUNCIL
1990 CORPORATE RECOGNITION AWARD

**AMERICA'S
PRIDE:
THE JOURNEY
CONTINUES...**



America's Pride . . . The Journey Continues

SCHOOL OF
ENGINEERING
AND
COMPUTER SCIENCE

California
State
University,
Northridge

Congratulations!

1990 Merit Award
Winners

Behzad Bavarian
Department of Civil and Industrial
Engineering and Applied Mechanics

Ichiro Hashimoto
Department of Electrical and
Computer Engineering

To the 1990 Awardees
San Fernando Valley Engineers Council

Congratulations and Best Wishes!

Roland Roggero, President
ROLAND ROGGERO & ASSOCIATES
Consulting Engineers
P.O. Box 716
Agoura Hills, CA 91376
(818) 880-9059 (818)706-6115 Fax (818)706-6168

CONGRATULATIONS

**1990
AWARDEES**

THE MARQUARDT COMPANY

*EXTENDING THE REACH OF HIGH
TECHNOLOGY — SINCE 1944*

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FROM H.R. TEXTRON

CONGRATULATIONS
TO OUR ENGINEERING 1990
MERIT AWARD RECIPIENTS!!

William B. Hsu, Director
Science and Technology

Yehuda Shapira
Design Engineering

They are "Engineers - Turning Ideas Into Reality"

H. R. Textron
25200 W. Rye Canyon Road
Valencia, CA 91355
"The Controls Company"

Congratulations 1990 Awardees

ZIPCO INCORPORATED

Precision Sheet Metal, Machining & Forming

Quick Turn Around Service
Quick Turn Around Service

Burbank, CA ▼ 818-846-8595

"Congratulations 1990
Award Winners"

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As Low As 1/10 The Energy Required
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"Uses No Freon!"

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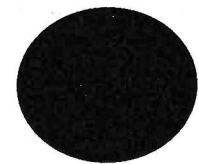
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- Space Stations
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- Computer Training Rooms
- UPS Rooms
- Employee Cafeterias

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Retrofit
or
Replacement

New
Construction



ITT GILFILLAN

CONGRATULATIONS !

1990

SAN FERNANDO VALLEY
ENGINEERS COUNCIL
AWARD WINNERS

7821 Orion Ave.
Van Nuys, CA 91409
818-988-2600

Congratulations
1990 Awardee!

DR. KENNETH LI, DIRECTOR
COMPONENT DEVELOPMENT

PCO, Inc.

20200 Sunburst Street
Chatsworth, CA 91311-6289
(818) 700-1233

To the 1990 Awardees

Congratulations !

COLT INDUSTRIES

———— Menasco California Division ————

First and Cedar Streets
P.O. Box 7071
Burbank, CA 91510
(818) 842-9111
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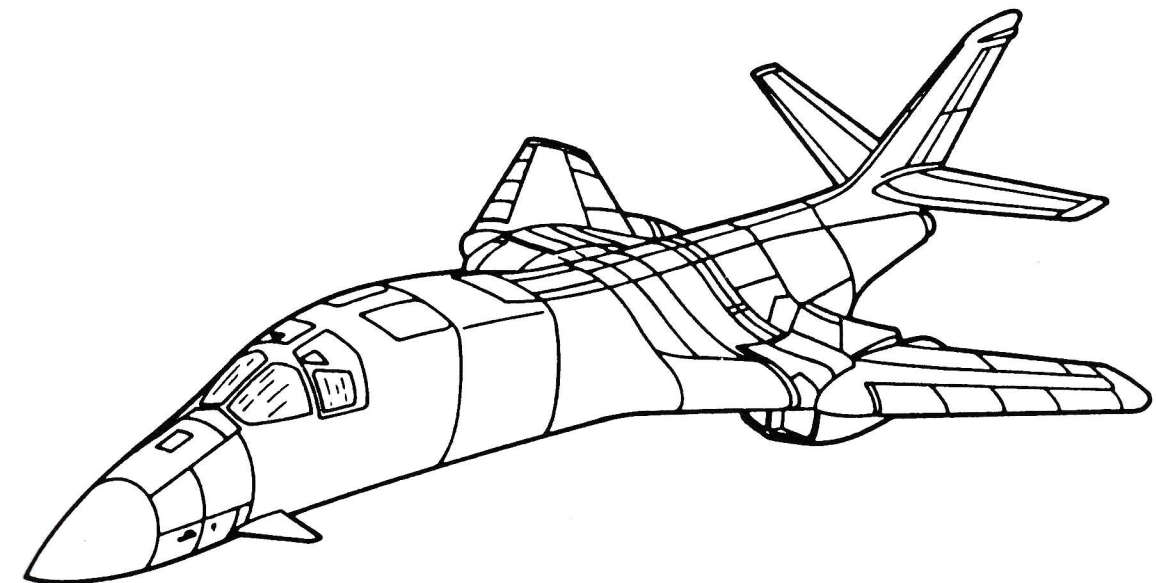
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January 2, 1990

I am delighted to send my warmest greetings to everyone taking part in the observance of National Engineers Week, February 18-24, 1990.

This year's theme, "Engineers: Turning Ideas Into Reality," is a reminder that your profession is essential to progress. By turning theoretical concepts into practical realities, engineers help to sustain America's economic growth and prosperity. Whether in design, manufacturing, management, or education, engineering provides immeasurable benefits to all of us.

I am particularly pleased that the National Engineers Week Committee is going to be enlisting the support of engineers across America in giving special emphasis to the need for improved mathematics and science education. Our young people must be well trained in these subjects if we are to maintain a leading role in science, technology, and the world marketplace. You have my wholehearted support in this worthwhile effort.

Barbara joins me in saluting our nation's engineers during this 40th anniversary of National Engineers Week. We wish you continued success in the years to come. God bless you.

Sincerely,



George Bush