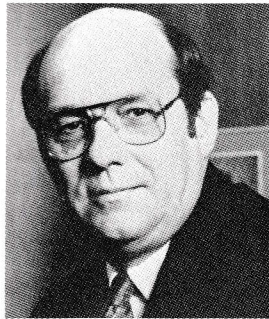


SAN FERNANDO VALLEY ENGINEERS COUNCIL

1991

HONOR AWARDS GALA BANQUET SOUVENIR PROGRAM



DISTINGUISHED KEYNOTE SPEAKER

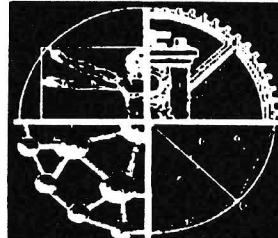
J.R. Thompson
Deputy Administrator for NASA

DISTINGUISHED PROGRAM SPEAKER

Thomas Walters, Ph.D.
Director
California State Department of Commerce



ENGINEERS



TURNING IDEAS
INTO REALITY

In Celebration of
National Engineers Week

February 17 - 23, 1991

THE WHITE HOUSE

WASHINGTON

January 3, 1991

I am pleased to join Americans everywhere in paying tribute to the members of our engineering community during National Engineers Week, February 17-23, 1991.

Although the frontiers of old are gone, the pioneering spirit of discovery and progress endures in the work of our Nation's engineers. Through a unique combination of art and science, engineers help to transform the limitless imagination of the mind into reality. Engineering touches every corner of our lives, making our world safer, healthier, more productive, and more enjoyable. From the awe-inspiring beauty and complexity of space flight to the comfort and convenience of modern home appliances, it's difficult to imagine our lives without the benefits of engineering technology.

If America is to continue its proud legacy of technological progress, we must encourage our youth to pursue careers in science and engineering. I am confident that both the Discover"E" program, which is sponsored by the Engineers Week Committee, and the "Excellence in Mathematics, Science and Engineering Education Act of 1990," which I recently signed into law, will play an important role in encouraging youth to develop their creative energies and talents. By so doing, we are helping them to build a brighter and more prosperous future for our own country and for all mankind.

Barbara joins me in sending our thanks and best wishes to our Nation's engineers -- past, present, and future. God bless you.

A MESSAGE FROM OUR PRESIDENT, Dr. Robert Budica



I would like to welcome to our annual awards ceremony, our distinguished guests, our Keynote Speaker, Mr. James R. Thompson, from NASA Headquarters, and our Program Speaker, Dr. Thomas Walters, from the California State Department of Commerce.

Since the earliest times "engineers" have played a major role in shaping human destiny. The pyramids of ancient Egypt attest to some of the earliest lasting evidence of efforts to turn ideas into reality. Da Vinci's visionary inventions inspired not only the Panama Canal but also the Wrights' airplane which progressing over a period of barely 90 years has shrunk our planet to the size of today's global village. Verne's imagination and Goddard's dedicated craftsmanship eventually set footprints on the surface of our nearest neighbor in space during the Apollo program nearly twenty years ago. Electronic communications satellites and computers have now brought each one of us within the reach of our arm - and a TV screen.

And this might yet be the greatest opportunity for the engineering community to address: As we approach the new century there is a growing need for expanding the dialog between the experts within the numerous technical disciplines and the policymakers, particularly across the rapidly changing international political boundaries. Open communications will provide the flow of knowledge necessary for solving the crucial problems of security, production and distribution of resources of economic development and education, and the challenge of exploration - not only on the frontiers of our planet and space, but also - and equally important - on the frontiers of knowledge.

The San Fernando Valley Engineers' Council, comprising over seventy technical societies and business organizations involved with virtually every conceivable technological discipline, is uniquely positioned to respond to this challenge in the tradition of leadership established by our Council's founders' forward-looking vision - that of engineers turning ideas into reality. My challenge to our organization for the coming years expands our long-term commitment to the engineering community with the following five point program:

1. Strengthen the awards program to recognize and promote professional excellence at the individual and organizational levels.
2. Initiate an educational outreach program to motivate elementary through university level students to obtain an engineering education.
3. Strengthen our academic and industrial relations program to expand support for our efforts, projects and events.
4. Establish The William B. Johnson Foundation, in memory of one of our visionary founders, to provide for scholarships and eventually for the financial independence of The Council.
5. Begin the groundwork for the permanent headquarters for our organization.

Clearly, the challenges abound. But the potential benefits justify full mobilization of our resources and our own individual initiative to take action.

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 has celebrated National Engineers Week, a national week of recognition since 1950.

Over the past 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 20 years, a host of nationally known engineers has proudly received this award including Christopher C. Kraft, Jr., Dr. David R. Scott, Major General James W. Stansberry, Former President Ronald Reagan and Malcom 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 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 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.

Last year, for the first time, the Council presented the William B. Johnson Memorial Award. Recipient of the award was George Hallinan of the Rocketdyne Division of Rockwell International.

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

FASCINATING FACTS ABOUT ENGINEERS AND NATIONAL ENGINEERS WEEK

- National Engineers Week, which is always celebrated around George Washington's birthday, was established by the National Society of Professional Engineers in 1951. Our nation's first President was a military and agricultural engineer and a land surveyor. He founded the first U.S. engineering school at Valley Forge, Pennsylvania, which later became the U.S. Military Academy at West Point, New York.

- In 1989, the National Academy of Engineering announced its list of the top ten engineering achievements of the past 25 years. The top ten achievements listed are: the moon landing, application satellites, the microprocessor, computer-aided design and manufacturing, the CAT scan, advanced composite materials, the jumbo jet, lasers, fiber-optic communication, and genetically engineered products. (National Academy of Engineering)

- According to the National Science Foundation, employment of engineers rose substantially from 1972 to 1986, increasing from almost 900,000 to over 2.2 million. However, it is projected that the number of science and engineering graduates will be unable to keep pace with an increasing demand through the 1990's. (National Science Foundation)

- Over the next five years, the college-age population will decline, and accordingly, the supply of engineering graduates will likely also decline. That means placing greater reliance on technicians, technologists, and others not educated as engineers, which may result in a diminution of quality and threaten the long-term international competitiveness of the United States. (National Research Council)

- Of the 68,824 bachelor's degrees granted in engineering in 1989, fifteen percent went to women; three percent to blacks; and four percent to Hispanics. (NSF)

- Although women represent over 45% of the total work force (Statistical Abstract of the United States), they represent only three percent of the total engineering work force. Women tend to concentrate in chemical and industrial engineering, and are less well represented in high-growth fields like electrical engineering. (National Science Foundation)

- According to a survey conducted by the American Consulting Engineers Council in early 1989, lack of qualified personnel is the biggest concern of America's consulting engineers.

- The states reporting the highest numbers of employed engineers are California, New York and Texas. The state reporting the smallest number is North Dakota. (NSF)

- The median annual income professional engineers earn, as of January 1, 1990, is \$55,000, a 4.7% increase from the previous year. (National Society of Professional Engineers)

- By metropolitan area, the highest median annual salaries, as of January 1, 1990, are in New York City (\$71,000), followed by San Jose and vicinity (\$68,000), San Francisco and vicinity (\$66,200), and Nassau/Suffolk counties (NY) and vicinity (\$66,000). (NSPE)

- Engineers and scientists make up only four percent of America's workers, but their skills are central to the nation's competitiveness and the world's quality of life. (Office of Technology Assessment)

William B. Johnson International Interprofessional Founders Memorial Award

Thirty-six years ago Bill Johnson was one of the founding fathers of the San Fernando Valley Engineers' Council. Bill had an untiring commitment to form and build the Council into a unified and effective body represented by all facets of the engineering and scientific community. His standards and professional aura were to emulate perfection and elegance. He was laying the groundwork for the younger generation to participate and enjoy the future in leading and influencing the developing international engineering community. Bill was considered the backbone of the Council. He chose giving recognition to outstanding persons as a means of providing a model of excellence.

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

Selection of recipients for the memorial award reflect his image.

SAN FERNANDO VALLEY ENGINEERS COUNCIL

San Fernando Valley, California

36th Anniversary

HONOR AWARDS GALA BANQUET DANCE

Saturday, February 23, 1991

- SOCIAL HOUR - 6:30 P.M.

 - WELCOME - 7:30 P.M. Dr. Robert Budica
Vice President Engineering
The Marquardt Co.
President, San Fernando Valley Engineers Council

 - SALUTE TO THE FLAG

 - INVOCATION Rabbi Aaron Kriegel

 - DINNER

 - INTRODUCTIONS Dr. Robert Budica

 - KEYNOTE ADDRESS J.R. Thompson
Deputy Administrator for NASA

 - PRESENTATION OF AWARDS

 - PROGRAM ADDRESS Dr. Thomas Walters,
Director, California State Department of Commerce

 - CLOSING REMARKS Dr. Robert Budica

 - DANCING WITH THE SWING-INEERS
-

1991 AWARDS AND PRESENTATIONS

Special Presentation
William B. Johnson International Interprofessional Founders Memorial Award

by
George J. Hallinan, PE, FIAE
Vice President and Program Manager
Rocketdyne Division
Rockwell International
Canoga Park, CA

— to —

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

Special Presentation
General Charles E. (Chuck) Yeager
International Flight Achievements Award

by
Dr. Robert Budica, President
San Fernando Valley Engineers' Council

— to —

Robert R. Sandusky, Jr., FIAE
Chief Engineer for Northrop/McDair Team
Northrop Corporation
Hawthorne, CA

Outstanding Engineering Merit Awards

(Presented in Alphabetical Order)

James O. Bates, Director of Research and Development
Rocketdyne Division, Rockwell International
Canoga Park, CA

"For pioneering contributions in advancing American Rocketry Propulsion Systems
Energy Technology and more recently National Aero-space Plane
and Advanced Launch Vehicle systems."

Jerry A. Brandes, Senior Systems Engineer

Contel Federal Systems
Westlake Village, CA

"Recognized for excellence in analysis of customer requirements for computer systems, local area networks, environmental enclosures and system specifications."

Carl Brown, Lead Engineer

Engineering Development Laboratory
Rocketdyne Division, Rockwell International
Canoga Park, CA

"Recognized for outstanding expertise on rotary and flow testing, wind tunnel testing and hydro-thermodynamics."

Myles F. Butner, Member of Technical Staff VII

Rocketdyne Division, Rockwell International
Canoga Park, CA

"For his outstanding and innovative contributions in development of roller bearing technology. His techniques leading to extended bearing life on Space Shuttle Main Engine."

John G. Campbell, Sr., Program Manager

The Marquardt Company
Van Nuys, California

"Recognized for his outstanding technical innovations and management of programs for the world's most advanced microminiaturized integrated rocket propulsion system."

Dr. Jeffrey A. Goldstone, Ph. D., Technical Staff

Advanced Technology Engineering Department
Rocketdyne Division, Rockwell International
Canoga Park, CA

"Recognized for his outstanding contributions on non-linear and quantum optics, Frequency Added Media (FAME), and participation on the Excimer Tower Raman Laser Device (EMRLD) conversion analysis team."

V. Walter Hafner, Vice President, Engineering

Acorn Engineering Co.
City of Industry, VA

"For his contributions in engineering, machine, tool and die development and robotic systems."

James D. Hawks, Aerodynamicist

Fighter and Maritime Patrol Aircraft
Lockheed Aeronautical Systems Co.
Burbank, CA

"In recognition of contributions to the fighter and maritime patrol aircraft program, and for dedicated service to the establishment of professional aerospace engineering activities in the San Fernando Valley."

Thomas E. Hudson, Retired

Mechanical Engineer
Northridge, CA

"For outstanding contributions to the aerospace industry and his dedicated service to the establishment of professional engineering activities in the San Fernando Valley."

James A. Maves, Manager, System Software

Contel Federal Systems
Westlake Village, CA

"In recognition of outstanding contributions in design and development of Computer Software Systems and for his dedication to community affairs and safety improvement."

Arnold M. Norman, Jr., Project Manager

ALS and Generic CMS
Rocketdyne Division, Rockwell International
Canoga Park, CA

"In recognition of outstanding efforts to promote advancement of aerospace concerns in joint propulsion activities and for contributions to the professional engineering community in the San Fernando Valley."

Arthur Y. Okamura, Manager, RF Subsystems

I.T.T. Gilfillan - MS44
Van Nuys, CA

"Recognized for excellence in the design and development of producible RF and microwave designs and the transfer of this important knowledge to other engineers as part of their career development."

Donald E. Peck, President

Art Lewis Production Co./Vice President, Peck-Lewis Corp.
Los Angeles, CA

"In recognition of his outstanding service enhancing the professional environment in manufacturing engineering and his dedication in guidance and interest in student development towards greater quality and productivity."

Jagdish C. Prabhakar, Professor and Chair

Department of Electrical and Computer Engineering
California State University, Northridge
Northridge, CA

"In recognition for his contributions in the field of higher education. Most noteworthy are his pioneering efforts in developing and coordinating external degree programs of CSUN."

Pradeep Raj, Technical Leader

Computation Aerodynamics
Lockheed Aeronautical Systems Co.
Burbank, CA

"For outstanding contributions in developing computational fluid dynamics technology, for LASC flight vehicle design and the advancement of professional activities in the San Fernando Valley."

William Roland, Senior Mechanical Engineer

AIL Systems, Inc.
Westlake Village, CA

"Recognized for outstanding professional qualities and innovative achievements within the field of Mechanical Engineering."

Albert E. Ruemely, Manager, Digital Design

AIL Systems, Inc.
Westlake Village, CA

"Recognized for outstanding professional qualities and innovative contributions to the digital design profession."

Mary C. Shoemaker, Manager

Advanced Materials and Technology Group
Rocketdyne Division, Rockwell International
Canoga Park, CA

"Recognized for outstanding contributions in the fields of liquid oxygen compatibility, corrosion control, polymeric seal materials and non-metallic composite applied to the Space Shuttle Main Engine."

Dr. Munir M. Sindir, Manager, Code Development

Rocketdyne Division, Rockwell International
Canoga Park, CA

"In recognition for outstanding contributions in his management and direction of code development for computational fluid dynamics of propulsion systems."

Brian K. Tucker, Staff Engineer

AIL Systems, Inc.
Westlake Village, CA

"For outstanding professional qualities in support of test equipment design and his dedication to quality customer service."

Eugene R. Vosicky, Manager of Public Education

JPL (CalTech)
Pasadena, CA

"For contributions to engineering and education by his dedicated and innovative participation in enriching teaching methodology for math and science, in particular, enhancing education outreach activities."

William R. Wagner, Manager

Advanced Programs/Heat Transfer Concepts
Rocketdyne Division, Rockwell International
Canoga Park, CA

"For his outstanding and innovative contributions to aerospace programs in areas of heat transfer, diffuser and gas dynamic analysis."

James D. Willenberg, Member Technical Staff

Rocketdyne Division, Rockwell International
Canoga Park, CA

"Recognized for distinguished achievements in computed tomography that contributed significantly to Rocketdyne goals, and for outstanding leadership to the nondestructive testing profession."

Professor Donald G. Zook, P.E. CMfg E.

Industrial and Manufacturing Engineering Department
California State Polytechnic University
Pomona, CA

"Recognized for leadership and management in the fields of industrial and manufacturing engineering."

Special Recognition for Coordination of Engineers Week Activities

Timothy J. Hanneman

Rocketdyne Division
Rockwell International
Canoga Park, CA

Math-Count Student Recognition

The San Fernando Valley Engineers' Council recognizes and congratulates the award winners in the 1991 National Society of Professional Engineers Math-Count competition.

Distinguished Engineering Achievements 1991

Joseph G. Bendot, FIAE
The Marquardt Company
Van Nuys, CA

Distinguished Engineering Achievements 1991

Dr. Robert J. Budica, FIAE
The Marquardt Company
Van Nuys, CA

Distinguished Engineering Achievements 1991

Dr. Eugene D. Jackson, III, FIAE
Rocketdyne Division
Rockwell International
Canoga Park, CA

Distinguished Engineering Achievements 1991

Charles J. O'Connell, FIAE
State of CA
Department of Transportation
District 7
Los Angeles, CA

Engineering Educator of the Year 1991

Dr. B. J. Shell, FIAE
President Emeritus
Northrop University
Los Angeles, CA

Engineer of the Year 1991

Edward G. Linhart, PE, FSME, FIAE, EGL Holdings
President and CEO, EGL Holding Company
President and COO, Precision Aerotech, Inc.
La Jolla, CA

Presented by the 1990 Award Winner
William F. Ezell, FIAE
Vice President
Engineering and Test
Rocketdyne Division, Rockwell International
Canoga Park, CA

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 nineteenth 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 Peter Recchia Omni Memorial Award."

Peter Recchia Omni Memorial Award 1991

Presented by the 1990 Award Winner
William F. Ezell, FIAE
Vice President
Engineer and Test
Rocketdyne Division, Rockwell International
Canoga Park, CA

— to —

Edward G. Linhart, PE, FSME, FIAE, EGL Holdings
President and CEO, EGL Holding Company
President and COO, Precision Aerotech, Inc.
La Jolla, CA

SAN FERNANDO VALLEY ENGINEERS' COUNCIL

1991

Industry Advisory Board*

Leonard DiPeri
John Guarrera
Dr. William Hassel
Lloyd Higginbotham
Walter Koehler
Myron Martin
Dr. A. F. Ratcliffe
James Ritchie
Roland Roggero
Harlan Russ
Dr. Charles Sanders
Clifford Sheipe
Cliff Terry
Robert Vaughn

*Industry Advisory Board is made up of past presidents

**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. MacCready, President, AeroVironment, Inc.
- 1983 Charles G. Fargo, Rockwell International
- 1984 Dr. Malcolm Currie, Hughes Aircraft Company
- 1985 Phillip V. King, PE, FIAE, City of Los Angeles
- 1986 Sophia K. Ashley, P.E., Naval Civil Engineering Laboratory, Port Hueneme, CA
- 1987 Dr. Rodney A. Boudreaux, FIAE, Vice President, Engineering, Space Orbiter Division, Rockwell International, Downey, CA
- 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, CA
- 1990 William F. Ezell, FIAE, Vice President Engineering and Test, Rocketdyne Division, Rockwell International

**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, Vice President and General Manager, General Dynamics, San Diego, CA
- 1977 Aaron Cohen, Manager, Orbiter Project, NASA, Lyndon B. Johnson Space Center
- 1978 Dr. David R. Scott, Former Astronaut, President, Scott-Preyss Associates, Inc., 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
- 1990 Dick Cheney
United States Secretary of Defense

**SAN FERNANDO VALLEY ENGINEERS' COUNCIL
1991 ENGINEERS WEEK COMMITTEE AND OFFICERS**

Dr. Robert Budica, FIAE, President, Vice President Engineering,
The Marquardt Company

Dr. A. F. Ratcliffe, PE, FIAE, Past President, Chairman,
Industry Advisory Board

Harlan L. Russ, PE, FIAE, Awards Banquet Committee, 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, FIAE, FIEEE, FIAE, Chairman, Awards Banquet Committee,
NSPE, CSPE, NCGA, ASEE, IEEE

Leonard J. DiPeri, PE, FIAE, Chairman, Financial Resources Committee
Dr. William F. Hassel, PE, FIAE, Awards Banquet Committee, AIAA
Lloyd W. Higginbotham, FIAE, Societies and Industry Liaison,
Awards Committee, SME, CASA, NYAS, AAAS, ASAE
Norman Shaffier, PE, FIAE, Student Awards Committee, CSPE
William J. Douthitt, PE, FIAE, Financial Resources Committee,
SME, CASA, ASSE
Joseph A. Ferrari, FIAE, Treasurer, Finance Committee
Waldon R. Burr, FIAE, Awards Preparation Committee, ISA, ASOC
Dr. Mark M. Brauer, PE, FIAE, Growth and Awards
Preparation Committee, IIE, HFS
Nelson Gould, FIAE, FASIM, Program Ticket Committee, SFVS, AIAA
Jim Mills, FIAE Awards Banquet Committee, ASM, SME, AFA
Vince Camarillo, PE, Awards Banquet Committee, SHPE
Peter Fotoohi, Awards Banquet Committee
Sue Merrell, Secretary to the Council, Administrative Assistant to Dr. Budica

IN APPRECIATION

Aerospace Company
AIL Systems, Inc.
CA State University, Northridge
Contel Federal Systems
DiPeri Manufacturing Corporation
Hughes Aircraft
ITT Gilfillan
Lockheed Aeronautical Systems Co.
Lloyd Higginbotham & Associates

The Marquardt Company
Menasco, Inc., Colt Industries
Northrop Corporation
The Odyssey Restaurant
Roland Roggero & Associates
W. R. Burr Consultant, Inc.
Universal Health Services
Westlake Medical Center

Rocketdyne Division, Rockwell International

Rocketdyne Congratulates

Distinguished Engineering Achievements Award

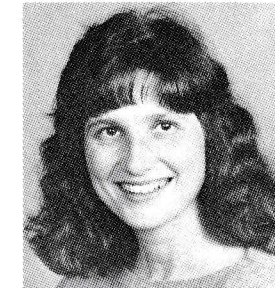


Eugene Jackson III
Manager of Advanced Rotating Machinery

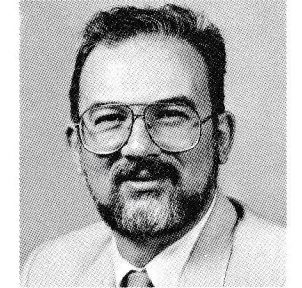
Outstanding Engineering Merit Awards



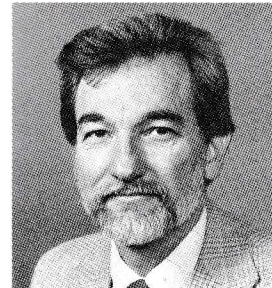
James D. Willenberg
Development Engineer for
Inspection Technology



Mary C. Shoemaker
Manager of Advanced
Materials and Technology



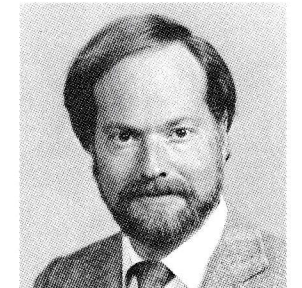
Munir M. Sindir
Manager of Computational Fluid
Dynamics Technology Center



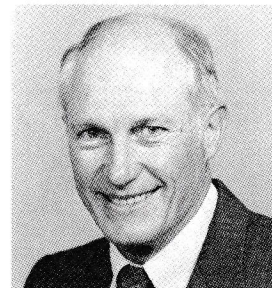
Arnold M. Norman, Jr.
Project Engineer of Control
and Condition Monitoring
System Technology



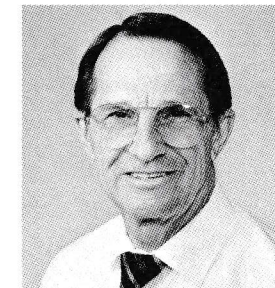
Jim Bates
Director of Advanced
Propulsion



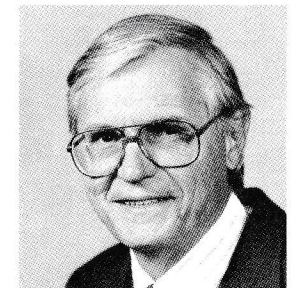
Jeff Goldstone
Acting Manager of
Non-linear Optics Group



Myles Butner
Member of Technical Staff
and Senior Bearing Specialist
for Mechanical Elements

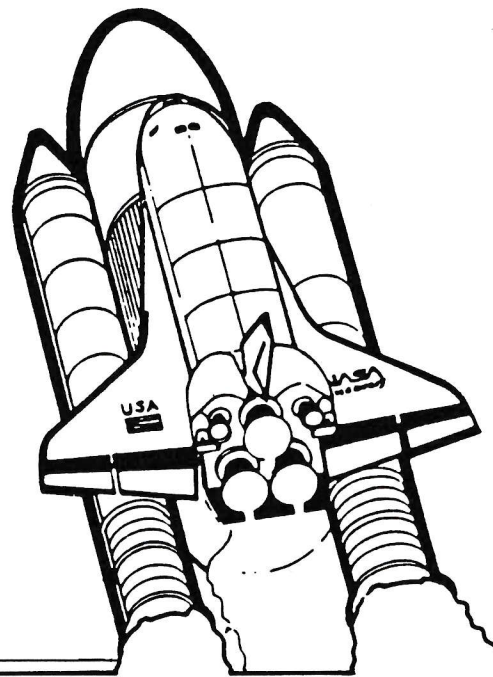


Carl L. Brown
Lead Engineer of Flow
and Rotary Dynamics
Unit of Engineering
Development Laboratory



William R. Wagner
Manager of Advanced
Aerothermodynamics

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



The program for the 36th Annual San Fernando Valley Engineers Council
Honor Awards Gala Banquet has been printed
through the generosity of

Rocketdyne Division, Rockwell International

CONGRATULATIONS

**1991
AWARDEES**

THE MARQUARDT COMPANY

*EXTENDING THE REACH OF HIGH
TECHNOLOGY — SINCE 1944*

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Congratulations

John J. Guarrera

on the presentation of

The 1991
William B. Johnson Memorial Award



CONGRATULATIONS
1991
AWARDEES

John Sandberg
High Desert,
Hisperia, CA
800-833-3305

FAMILY HEALTH & SAFETY CORP.

Developers, Medical Centers
Condo Purchase or Lease

To the 1991 Awardees
San Fernando Valley Engineers Council

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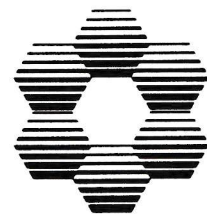
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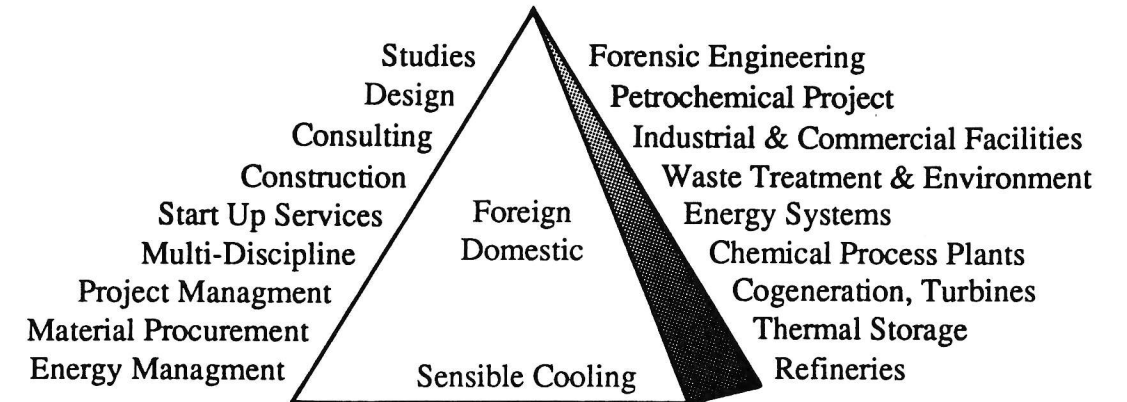
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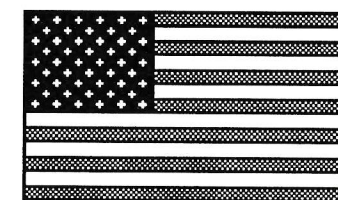
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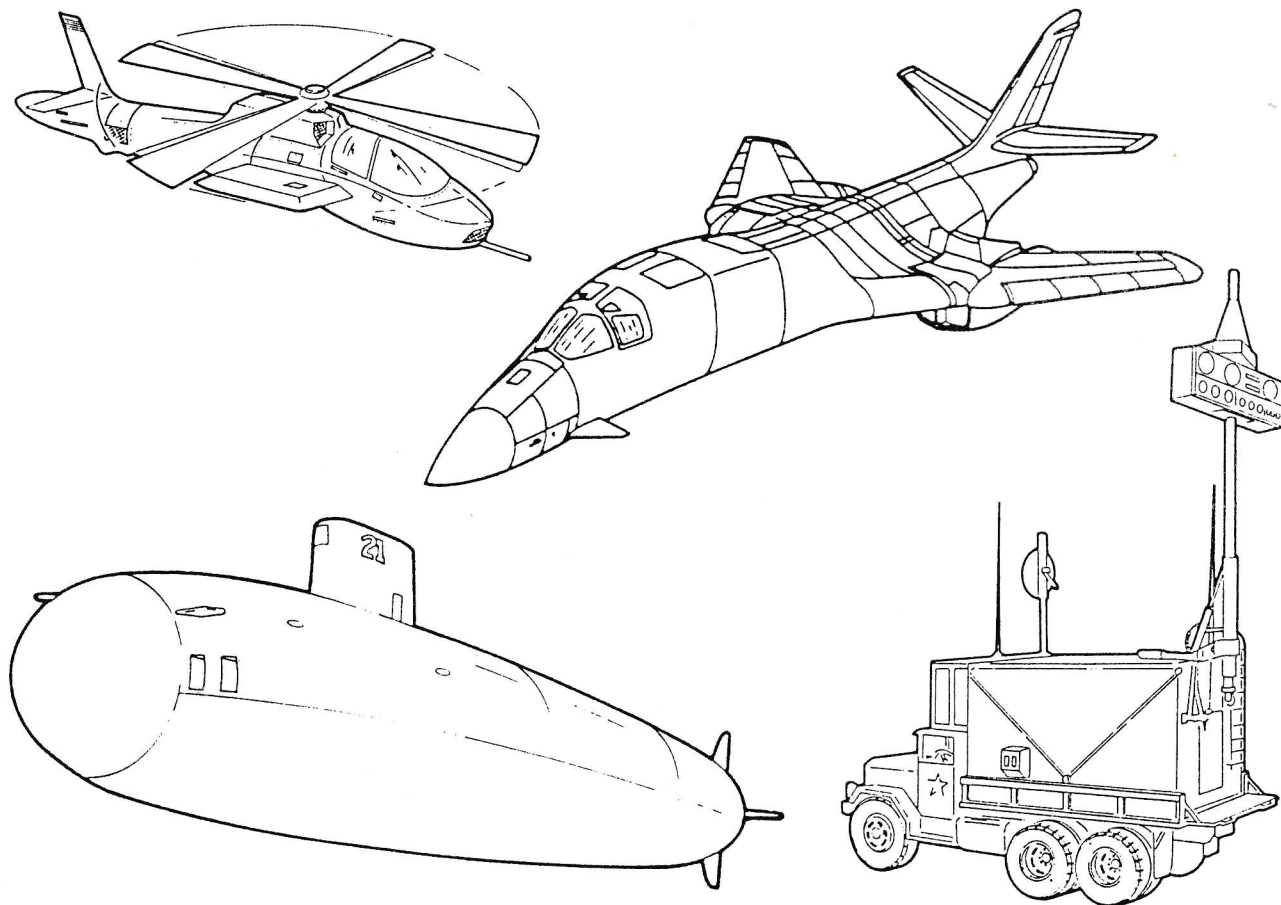
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