

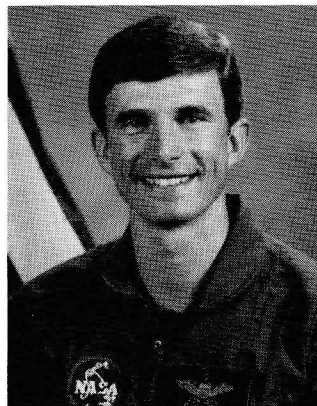
SAN FERNANDO VALLEY ENGINEERS' COUNCIL
San Fernando Valley, California

37th Anniversary

1992
HONOR AWARDS GALA
BANQUET
SOUVENIR PROGRAM

DISTINGUISHED KEYNOTE SPEAKER

Dr. Ronald M. Sega
NASA Astronaut
Lyndon B. Johnson Space Center
Houston, Texas



In Celebration of
National Engineers Week

February 16 - 22, 1992

Saturday, February 22, 1992

A MESSAGE FROM
OUR PRESIDENT
DR. ROBERT BUDICA



It has been one eventful year for the engineering profession and our organization!

Engineering technology has demonstrated, unequivocally, its ability to limit the casualties of war and collateral damage, by bringing hostilities to a rapid conclusion with surgically accurate projection of force; all the action being covered on TV, live via satellite, from the other side of the earth. While at the same time, changes in the international political landscape have transformed traditional enemies into "friends in need."

Simultaneously there is a growing awareness that the National infrastructure is in desperate need of and renewal. It is clear that the country cannot be allowed to disintegrate under the weight of its rust, much like the political and economic systems of Eastern Europe and the former Soviet Union.

In this connection we may have some important lessons to learn from the successes of Japan and United Europe as well. For a nation accustomed to push-button information and next-quarter bottom line results, one wonders how easy it will be for our industries to adopt a long-term commitment to continuous quality improvement? To establish a new level of government-industry cooperation that encourages investment for the long term, and to participation in national and international economic alliances, and thereby reap benefits that include prosperity, improved quality of life and expanded opportunities. This is in contrast to protective policies or bureaucratic centralized industrial planning that unavoidably result in declining competitiveness, erosion of our nation's technological cadres and chronic unemployment, conditions which historically have been the most dangerous threats to the ideals of freedom and democracy.

What does all this mean to us an engineering organization?

The fundamental role of the SFVEC as a local organization that represents what can be truly called "knowledge workers" remains, as envisioned by our founders, to recognize and encourage engineering excellence through the activities of National Engineers' Week. In the larger scheme of things we are here to promote education and the dispersal of technical knowledge at every level and between the diverse disciplines represented by our member organizations. We recognize that education and the human quest for knowledge is the key to improving the economic and cultural well being of people everywhere.

Much has been accomplished over the past thirty years of activity, thanks to the complete dedication and unwavering commitment from every member and officer who has served in Engineers' Week Committees. I am sure that we all will continue to do so in the future.

Clearly, the challenge to us is to build on this foundation and continue with what's yet undone, with the support of the member societies, corporations and motivated individuals. With the conviction that our knowledge, experience and determination can have a positive influence on events, the community and our profession, this organization encourages, promotes and recognizes action, and efforts of those individuals who turn ideas into reality.

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. In 1990 the recipient was Robert A. Hoover, famed test pilot.

Last year for the second time, the Council presented the "William B. Johnson Memorial Award". Recipient of the award was Dr. John J. Guarrera from the California State University at Northridge.

Through the years, the San Fernando Valley Engineers' Council has presented over 700 awards that recognized outstanding contributions by individuals in our community and throughout the world in the fields of engineering, education, special fields of work and public service.

SAN FERNANDO VALLEY ENGINEERS' COUNCIL

San Fernando Valley, California

37th Anniversary HONOR AWARDS GALA BANQUET

Saturday, February 22, 1992

SOCIAL HOUR - 6:30 P.M.

WELCOME - 7:30 P.M.

Dr. Robert Budica
Vice President Engineering
Kaiser Marquardt
President, San Fernando Valley Engineers' Council

SALUTE TO THE FLAG

INVOCATION

Father Joseph Shea
Director of Archdiocesan Vocations
Archdiocese of Los Angeles

DINNER

INTRODUCTIONS

Dr. Robert Budica

KEYNOTE ADDRESS

Dr. Ronald M. Sega
NASA Astronaut
Lyndon B. Johnson Space Center
Houston, Texas

PRESENTATION OF AWARDS

CLOSING REMARKS

Dr. Robert Budica

1992 AWARDS AND PRESENTATIONS

Special Presentation

William B. Johnson International Interprofessional Founders Memorial Award
by

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

Director of Research

School of Engineering and Computer Science

California State University, Northridge

Northridge, California

— to —

Lloyd W. Higginbotham, FIAE

Defense Logistics Agency, U.S. Air Force

Northrop Corporation

Hawthorne, California

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.

Special Presentation

Kelly Johnson "Skunk Works " Award
For Aeronautical Engineering Achievements

by

Dr. Robert Budica

Vice President Engineering

Kaiser Marquardt

Van Nuys, California

Presented Posthumously. Accepted by

Mrs. Nancy Johnson

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. Airforce. It was the first of many of the world's most advanced aircraft to be produced by the Skunk Works under his leadership.

Kelly played a leading role in the design of more than forty aircraft including the P-38 Lighting, the Constellation transport, the P2V Neptune anti-submarine patrol plane, the record setting F-104 Starfighter, the U-2 reconnaissance aircraft and the SR-71 Blackbird.

He received more than forty aircraft design and achievements awards and honors (several twice). Included are two Collier trophies, two Theodore von Karman Awards, the Wright Brothers Memorial Trophy, two Sylvanus Albert Reed Awards and the Daniel Guggenheim Medal. In 1964, President Lyndon Johnson presented him the nation's highest civilian honor, the Medal of Freedom. President Ronald Reagan honored Kelly Johnson with the National Security Medal in 1983 and the National Medal of technology in 1988. Kelly was enshrined in the Aviation Hall of Fame in 1974.

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

OUTSTANDING ENGINEERING ACHIEVEMENTS MERIT AWARDS - 1992

(Presented in alphabetical order)

William L. Bubel, Instrumentation Engineer

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding contributions to Space Shuttle Main Engine, High Pressure Oxidizer Turbo-pump and Advanced Engines run at Santa Susana Field Laboratory."

John J. Burgess, Jr., Facility Design Manager

Walt Disney Imagineering

"Recognized for outstanding leadership and management of creative and innovative engineering solutions for attractions in the entertainment industry."

Stanley V. Castner, Manager

Non-Metallic and Chemistry Department
Kaiser Marquardt
Van Nuys, California

"Recognized for outstanding engineering contributions in ceramic heat exchangers, nuclear physics with the discovery of unknown isotopes of strontium and itrium."

Dr. Ronald Citrenbaum, Chairman of the Board

Abacus Programs, Inc.
Van Nuys, California

"Recognized for his outstanding leadership in the development of artificial intelligence."

Howard Cohen, Associate Director of Engineering

Teledyne Systems
Northridge, California

"Recognized for his leadership and contributions in management of Systems Engineering in Military Electronics."

George Davis, Structural Engineer

Northrop
Pico Rivera, California

"Recognized for his outstanding contributions in the use of advanced materials and structures developed for use on the YF117 and B-2 programs' technology."

Eugene J. Di Camillo, Senior Staff Project Manager

TRW Systems Engineering Development
Carson, California

"Recognized for outstanding engineering contributions in the development and deployment of THOR and ATLAS weapons systems, design liquid solid components for ETC and the prototype systems for Ocean Thermal Energy Conversion."

Brian A. Donnelly, Lead Test Engineer

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding contributions in use of miniature foil strain gages and in development of pressure and structural tests of components for the SSME, ALS, ATLAS, DELTA, PEACEKEEPER, NASP, and Kinetic Interceptor Propulsion Systems."

Lt. Michael V. D'Ottavio, Project Manager

HQ Air Force Flight Test Center, Edwards AFB
Edwards, California

"Recognized for outstanding contributions to engineering and management duties of military flight test programs."

Peter Fotoohi, Vice President

Hardware and Software Programs
Extratek Corporation
Hermosa Beach, California

"Recognized for outstanding efforts and contributions towards outreach education activities and promotion of engineering professional goals."

A. V. Funari, Program Manager LEAP

Hughes
Canoga Park, California

"Recognized for his outstanding leadership, dedication and achievements in leading multidisciplinary and multicorporations in producing the world's smallest kintec vehicle."

Dr. Allen L. Goldman, Manager, NASP Mission Analysis Unit

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding engineering contributions in the prediction of hypersonic inlet wind tunnel test data using 3D Full Navier-Stokes CFD analytical tools."

John A. Halchak, Manager

Materials and processes Design Support Group
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding management and engineering leadership in the field of Materials Engineering."

Michael J. Halloran, Manager Systems Design

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for his outstanding contributions in Mechanical Engineering developing the cutting edge of technology and providing a base for Kinetic Energy, Propulsion, and High Energy Laser Systems."

Dr. Sandor Holly, Staff Scientist, Advanced Programs

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for his outstanding leadership and scientific contributions in Aerospace Diamond Technology, Optics, Lasers, Metrology, Interferometrics, Thin Film, and Fiber Optic Technologies."

Charlie H. Isaacs, Production Manager

GTE Contel Federal Systems
Westlake Village, California

"Recognized for innovative thinking and outstanding professional performance within the field of production engineering."

Jeff Jensen, Project Engineer
Advanced Liquid Propulsion Systems
Kaiser Marquardt

"Recognized for outstanding contributions in design and development of bipropellant thrusters and advanced chamber materials."

Mervin T. Jones, Deputy Consul General
British Commonwealth
Los Angeles, California

"Recognized for outstanding contributions to the community at large and internationally on behalf of the executive management of leading engineering and manufacturing organizations."

K. D. Justyn, Managing Director
UHS - Westlake Medical Center
Westlake Village, California

"Recognized for excellence in management, outstanding contributions in Health Care, long range planning, and Facilities Engineering programs."

Albin D. Kazanowski, Retired Chemical Engineer
Woodland Hills, California

"Recognized for outstanding engineering career and for the development of a Quantitative Methodology for estimating total systems cost risk."

Jeffrey S. Kincaid, Associate Product Manager
SSME Oxidizer Turbomachinery
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for his leadership, dedication, and outstanding ability to coordinate and lead multidiscipline specialists to solutions of complex technical issues."

Mark Kopitz, Assistant Project Manager
Electrical Design Department
Hughes Missile Systems
Canoga Park, California

"Recognized for his excellence in management and outstanding contributions to Military Electronics Systems and furtherance of education to prospective engineers in electronics."

Robert Z. Litwin, Engineering Supervisor
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for his leadership and outstanding contributions toward advancing power reactor technology."

Robert C. Loschke, Technical Fellow; Flight Controls
Lockheed Advanced Development Company
Burbank, California

"Recognized for his exemplary and continuous development of excellent stability, control and handling quality characteristics for a wide range of advanced aircraft"

John M. Mallard, Technical Adviser
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for contributions to aerospace programs and for dedicated service to the establishment of professional aerospace engineering activities in the San Fernando Valley."

Richard C. Misner, Chief Project Engineer Atlas Engines
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding contributions in the development of expendable launch vehicle and liquid rocket propulsion systems."

Joel M. Neiderman, Manager Materials Engineering
Kaiser Marquardt
Van Nuys, California

"Recognized for engineering leadership and outstanding contributions in Materials Engineering areas of vacuum brazing, state-of-the-art heat treating, metals purification and thermal barrier coatings."

Richard L. Nelson, Member System Dynamics Unit
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding engineering contributions and leadership in propulsion system fluid dynamics, controls, and feed coupled stability."

G. R. (Jerry) Pfeifer, Senior Program Manager
Rocket Systems Department
Kaiser Marquardt
Van Nuys, California

"Recognized for outstanding contributions in the development of manned flight hardware and leadership in management of development engineering."

Daniel P. Raymer, President
Conceptual Research Company
Simi Valley, California

"Recognized for contributions in the development of aerospace vehicle design using computer aided design (CAD) methodologies."

Dale A. Russell, Principal Engineer
Damage Assessment Unit (MSM)
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding contributions in structural analysis and damage assessment of space components."

Merlin D. Schuman, Member Technical Staff
Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for outstanding analytical contributions in liquid rocket space propulsion systems including fluid dynamics, thermodynamics, and combustion chemistry."

Stephen C. Shepard, Software Engineer

GTE Contel Federal Systems
Westlake Village, California

"Recognized for his creativity, innovative thinking, and outstanding professional performance within the field of Software Engineering."

Richard F. Sporny, Manager Inspection Technology

Rocketdyne Div., Rockwell International
Canoga Park, California

"Recognized for his outstanding contributions and leadership in generating Quality Assurance and Inspection Technology enhancing performance of Space Flight Systems."

Distinguished Engineering Achievements Award - 1992

Jack S. Gordon

Executive Vice President
Lockheed Advanced Development Company
Sunland, California

Distinguished Engineering Achievements Award - 1992

Tosh Miyagishima

Chief Engineer
Toyota Racing Development USA, Inc.
Gardena, California

Distinguished Engineering Achievements Award - 1992

Dr. Lamar F. Moon

Chief Engineer and Deputy Program Manager
National Aerospace Plane Program
Rocketdyne Div., Rockwell International
Canoga Park, California

Distinguished Engineering Achievements Award - 1992

Dr. Vijaya Shankar

Director, Computational Sciences
Rockwell International Science Center
Thousand Oaks, California

Distinguished Engineering Achievements Award - 1992

Maynard L. "Joe" Stangeland

Director, Rotating Machinery & Combustion Devices
Rocketdyne Div., Rockwell International
Canoga Park, California

Distinguished Engineering Educator Award - 1992

Dr. Mihran S. Agbabian

University of Southern California
Los Angeles, California

Engineer of the Year Award - 1992

Presented by the 1991 Award Winner

Edward G. Linhart, PE, FSME, FIAE,

President and CEO Aztec/MCI
Santa Ana, California

_____ to _____

SHERMAN N. MULLIN

President
Lockheed Advanced Development Company
Calabasas, California

Peter Recchia Omni Memorial Award - 1992

Presented by the 1991 Award Winner

Edward G. Linhart, PE, FSME, FIAE,

President and CEO Aztec/MCI
Santa Ana, California

_____ to _____

SHERMAN N. MULLIN

President
Lockheed Advanced Development Company
Calabasas, California

The Peter Recchia Omni Memorial Award

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

**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
- 1991 Edward G. Linhart, PE, FSME, FIAE, EGL Holdings President and CEO, EGL Holding Company, La Jolla, CA

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

- 1969 Edward Reineke, Lt. Governor, State of California
- 1970 William Lear, Chairman of the Board, Lear Motors, Reno, NV
- 1971 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
1992 ENGINEERS WEEK COMMITTEE AND OFFICERS**

Dr. Robert Budica, FIAE, President
 Vice President Engineering, Kaiser Marquardt

Dr. A. F. Ratcliffe, PE, FIAE, Past President
 Nelson Gould, FIAE, FISIM, Treasurer, SFVS, AIAA

Roland V. Roggero, PE, FIAE, Chairman Program Committee, ASHE, CSHE, NGS

Dr. John J. Guarrera, PE, FIEEE, FIAE, Chairman Awards Committee, NSPE, CSPE, IEEE, ASEE, NCGA

Leonard J. DiPeri, PE, FIAE, Chairman Financial Resources Committee

Harlan L. Russ, PE, FIAE, Awards Banquet Committee, SME

Lloyd W. Higginbotham, FIAE, Societies and Industry Liaison, Awards Committee, SME, CASA, NYAS, AAAS, ASAE

Cliff Terry, PE, FIAE, Awards Banquet Committee, SME, NMA, CASA, CSPE

Dr. William F. Hassel, PE, FIAE, Awards Banquet Committee, AIAA

Dr. Mark M. Brauer, PE, FIAE, Strategic Planning Committee, IIE, HFS

Norman Shaffier, PE, FIAE, Student Awards Committee, CSPE

Waldon R. Burr, FIAE, Awards Preparation Committee, ISA, ASQC

William J. Douthitt, PE, FIAE, Awards Banquet Committee, SME, CASA, ASSE

Peter Fotoohi, FIAE, Awards Banquet Committee

Gordon Short, PE, Awards Banquet Committee

Dr. Eric Pitts, Awards Banquet Committee

Marsha Waldman, Public Relations Committee

William J. Johnson, Awards Banquet Committee

Sue Merrell, Secretary to the Council, Administrative Assistant to Dr. Budica

**SAN FERNANDO VALLEY ENGINEERS' COUNCIL
BOARD OF TRUSTEES ***

Leonard DiPeri
Dr. John J. Guarrera
Dr. William F. Hassel
Lloyd W. Higginbotham
Walter Kochler
Myron Martin
Dr. A. F. Ratcliffe

James Ritchie
Roland V. Roggero
Harlan L. Russ
Dr. Charles Sanders
Clifford Sheipe
Cliff Terry
Robert Vaughn

* Made up of Past Presidents

Math-Count Student Recognition

The San Fernando Valley Engineers' Council recognizes and congratulates the award winners in the 1992 National Society of Professional Engineers Math-Count competition.

IN APPRECIATION

California State University, Northridge	Medical Staff Westlake Medical Center
GTE Contel Federal Systems	Menasco, Inc. ,Colt Industries
Di Peri Manufacturing Company	Northrop Corporation
Hughes Aircraft	Rocketdyne Div. Rockwell International
ITT Gilfillan	Roland Roggero & Associates
Kaiser-Marquardt	TRW Corporation
Lockheed Aeronautical Systems	Universal Health Services
Lloyd Higginbotham & Associates	Westlake Medical Center
Massanari Bemis Associates	W.R. Burr Consultant, Inc.

The San Fernando Valley Engineers' Council for 1992 expresses their thanks to **Sue Merrell** for her dedication, assistance, and coordination of all the administrative activities of the program.

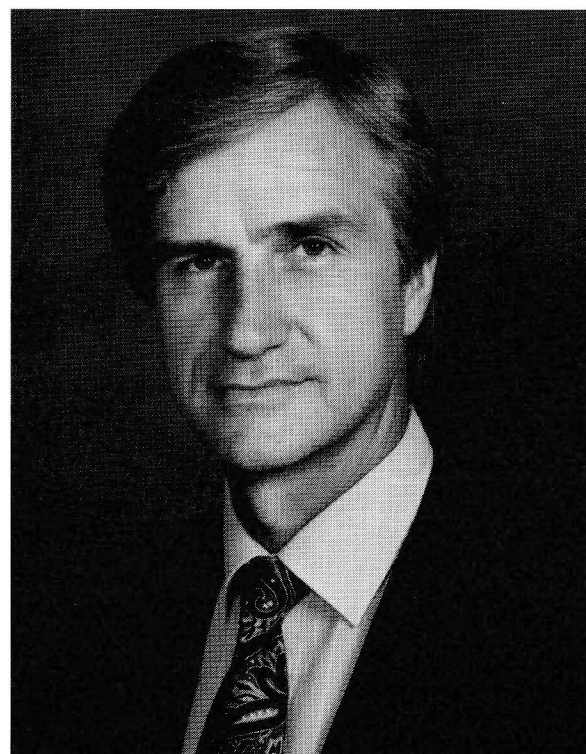
The text of the program for the 37th Annual San Fernando Valley Engineers' Council Honor Awards Gala Banquet has been computer generated through the courtesy of the **Facilities Management Division, WESTLAKE MEDICAL CENTER.**

The program has been prepared camera ready through the generosity of **KAISER-MARQUARDT.**

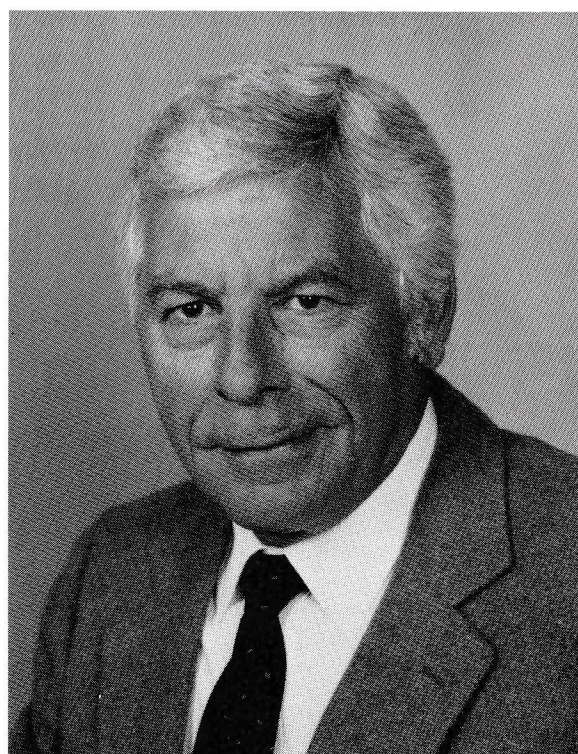
Rocketdyne Congratulates

Outstanding Engineering Merit Awards

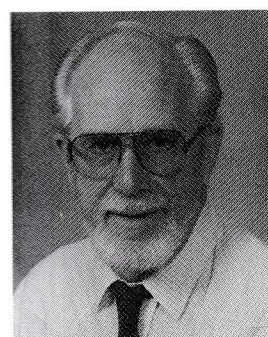
Distinguished Engineering Achievements Awards



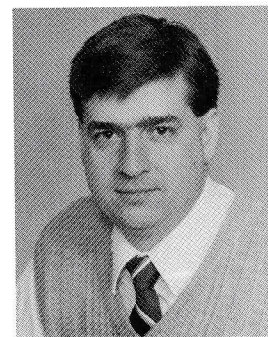
Dr. Lamar F. Moon
*Deputy Chief Engineer
National Aero-Space Plane
(NASP) National Team*



Maynard L. "Joe" Stangeland
*Director of Rotating Machinery
and Combustion Devices
Engineering*



William J. Bubel
*Test Engineer
Space Station Freedom
Power Module*



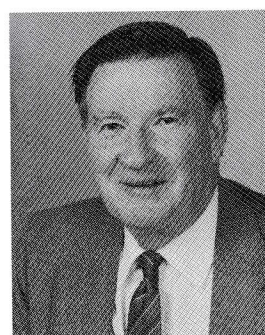
Brian A. Donnelly
*Lead Engineer
Pressure and Structural
Testing*



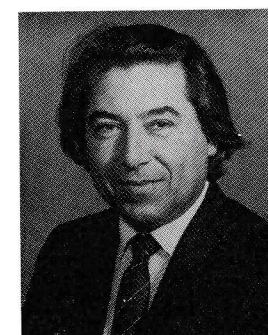
Dr. Allen L. Goldman
*Inlets Project Scientist
NASP Engineering*



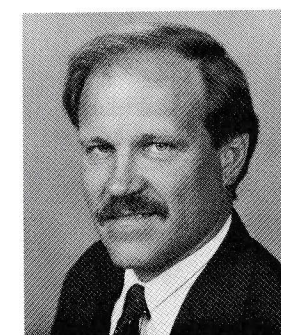
John A. Halchak
*Manager, Materials
Engineering and Technology
Design Support*



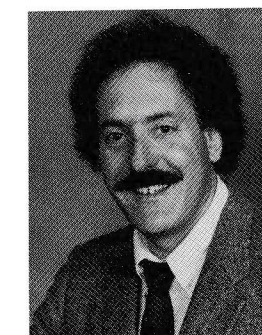
Michael J. Halloran
*Manager, Systems Design
Advanced Program Engineering*



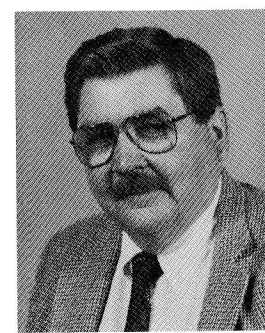
Dr. Sandor Holly
*Senior Principal Scientist,
Advanced Programs
Engineering*



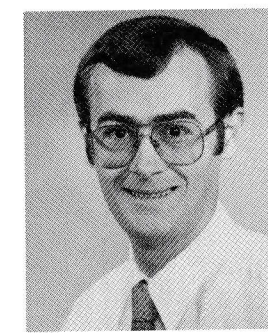
Jeffrey S. Kincaid
*Associate Team Manager
SSME LOX Turbomachinery*



Robert Z. Litwin
*Project Engineer
New Production Reactor
Program*



Richard C. Misner
*Chief Project Engineer
Atlas Engine Systems*



Dale A. Russell
*Lead Engineer
Structure K
Dynamics Technology*



Merlin D. Schuman
*Advanced Analysis Engineer
Combustion Devices
Engineering*



Richard F. Sporny
*Manager
Inspection Technology*

CONGRATULATIONS

K. D. JUSTYN



ON THE PRESENTATION OF THE

SAN FERNANDO VALLEY ENGINEERS' COUNCIL

"OUTSTANDING ENGINEERING ACHIEVEMENTS MERIT AWARD - 1992"

UHS

Universal Health Services, Inc.

KING of PRUSSIA - PENNSYLVANIA

**No matter where we go,
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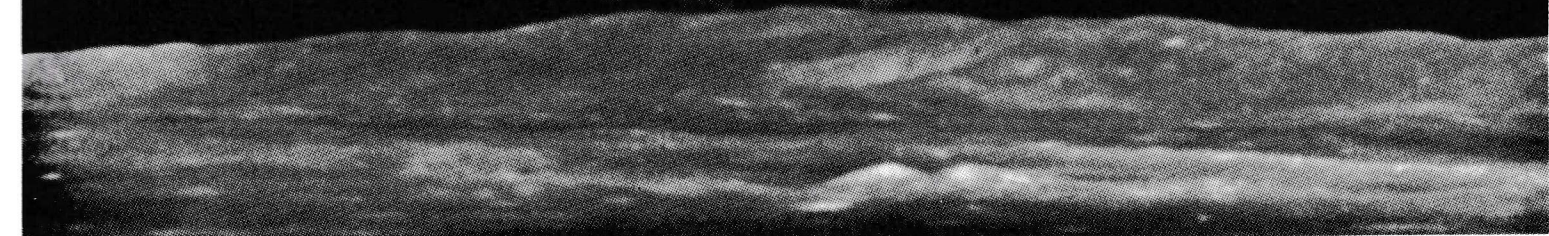
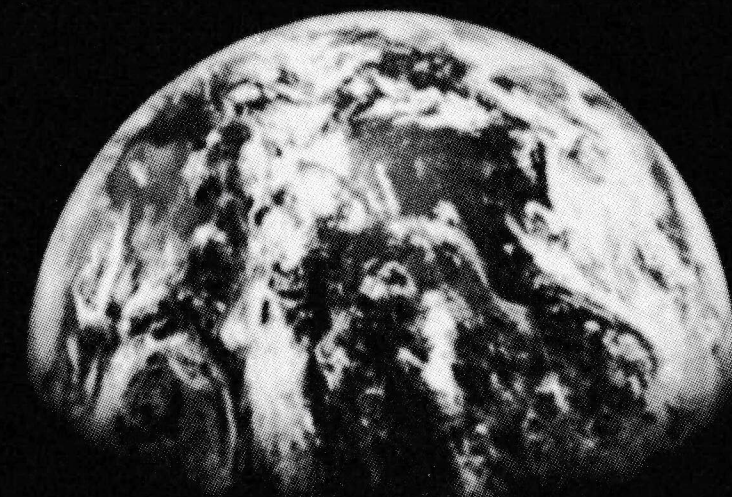
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Highly desirable experience includes:

- 32 bit workstations (Sun or 80386)
- TCP/IP LAN
- Graphics (GKS)
- System Integration
- X-Windows
- MOTIF or similar GUI
- RDBMS (e.g. Sybase) design/applications

Entry level to 8 years experience plus BSCS or equivalent is required.

Weather Systems Engineers

Responsibilities include performing requirements analysis, top level design, implementation, test & documentation for Automated Weather Systems, preparation & review of technical papers, and assuming lead technical role in selected development projects. A minimum of 6 years work experience in software design & implementation is required, with at least 4 years in weather forecasting or meteorological analysis.

Highly desirable experience includes:

- BS in Meteorology
- Software design & implementation in the UNIX workstation environment
- C Language & FORTRAN

Six or more years work experience plus BS in Computer Science, EE or equivalent is required.

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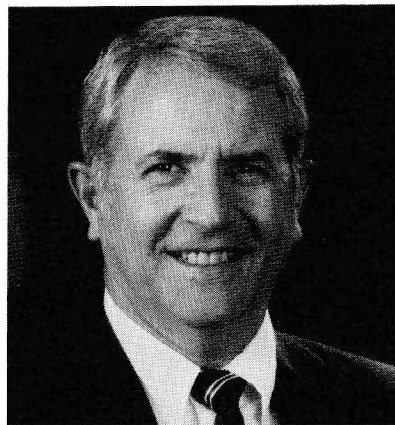
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“Engineers: Turning Ideas Into Reality”

National Engineers Week®
February 16-22, 1992

By Admiral Richard H. Truly
NASA Administrator

Five hundred years ago, Columbus ventured into the unknown to seek a new route to the Indies. He discovered instead a new frontier with enormous potential for challenge, opportunity and expansion. Similarly, the exploration of space presents an endless frontier, bounded only by our knowledge and imagination.

In the past 87 years—a mere instant in the history of intelligent humanity—we have progressed from the sands of Kitty Hawk to the dusty plains of the Moon; from Robert Goddard’s 4-second flight of a rocket 65 years ago to the passage of our Pioneer and Voyager spacecraft beyond the planets into the void of deep space. And just 10 years ago, the most versatile flying machine ever invented—the Space Shuttle—made its first thunderous ascent into space. Two days later this reusable aircraft was piloted—without engines—through the burning reentry into the atmosphere.

These monumental technological feats and discoveries are but a precursor of what is to come. This country is on the verge of a great new adventure—we will build Space Station Freedom, return to the Moon, and venture on to Mars. And, American students who enter the science, math, and technology pipeline, are the generation who will transform this idea into reality—they will be the first colonists of the Moon and the first Martians.

Man’s desire to explore stems from our curiosity and desire to learn about our surroundings, to challenge the unknown, and to find what is to be found. Like Benjamin Franklin, Madame Curie, Benjamin Banneker, and Albert Einstein, we have been intrigued by the idea of making discoveries that may lead to important breakthroughs—in energy, medicine, transportation or materials.

Expanding our presence in space sets the stage for discovery. Across the decades, we have witnessed a revolution in discoveries and technological advances. Satellites have allowed global communications. Microelectronics, including information processing, was made possible by miniaturization driven by space programs. Military intelligence gathering has helped prevent nuclear war for a generation. More than 30,000 products and processes have been created to simplify and improve our quality of life. And a revolution of knowledge of our home planet, solar system, and the universe beyond affords us a new global perspective on our own precious planet.

One can only imagine the technologies which will allow humans to live permanently in space, build an outpost on

the Moon, and explore Mars. To expand the frontiers of scientific knowledge will require our most powerful computer—the human mind. New technologies will emerge such as artificial intelligence, virtual reality, advanced robotics, ultra high-strength and high-temperature resistant materials, supercomputers, wireless power transmission, and many others. And, I expect that over the next quarter century of space exploration we will certainly experience a major unexpected breakthrough. Certainly, Benjamin Franklin did not envision New York City lit up at night or our digitized society when he flew a kite in a thunderstorm.

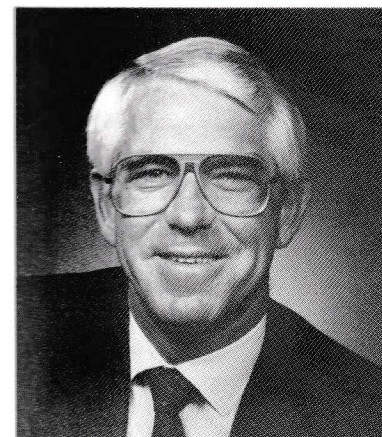
And finally, as we explore the solar system and expand human presence to other worlds, we will continually search for other life. Suppose some night we receive the dim remnants of a far away signal that is unmistakably not random, but intelligent? Fear would certainly grip some, while others would feel elation. Our sense of common humanity would be heightened and perhaps our earthly conflicts would seem trivial. Undoubtedly, mankind’s curiosity would drive us to become eavesdroppers, decoding conversations of another civilization, to understand such things as what they are like, how they combat disease, and what traditions they hold dear.

Throughout mankind’s existence, more than anything else, curiosity impelled us over the next hill, across the next river, across the ocean, then into the atmosphere, and now, into space. Soon, it will drive us to the next planet, then to its moons, and then on to the next and the next.

How fitting that during International Space Year 1992, nations around the world will cooperate in endeavors of exploration and discovery on the greatest frontier of all—the endless frontier of space. Twenty-nine national space agencies, ten affiliated international organizations, and the United Nations, have adopted the theme: Mission to Planet Earth.

One important emphasis of ISY 1992 is science education. I encourage you to join the wide variety of public and educational activities that will take place throughout the year to promote a new era of global cooperation in space. In 1492, 500 years ago, Columbus discovered the new world. To my mind, linking the discovery of the new world to international cooperation in the endless frontier of space during 1992 could not be more appropriate.

(Administrator Truly has been an active participant in National Engineers Week. He is an engineer.)



Engineers: Key to Charting Our Future

National Engineers Week®
February 16-22, 1992

By Donald R. Beall
Chairman & C.E.O.
Rockwell International Corporation

In 1492, Christopher Columbus set sail on uncharted waters, searching for new routes to magnificent lands. Though Columbus did not reach his intended destination, his discoveries inspired the people of Europe to begin an odyssey of exploration and scientific development that has led to our current Space Age.

Five hundred years after Columbus’ voyage, we celebrate International Space Year, renewing our commitment to future exploration and discovery. The key to fulfilling that commitment is providing quality education for all of our students.

It is only through education that we can ensure the future economic health and prosperity of America. Our ability to compete in a more demanding global marketplace depends on a well-educated work force that can help maintain our edge in technological development.

But effective education requires progressive efforts to encourage young students’ understanding of our highly technical world.

One group of professionals in particular has seized numerous opportunities to share its knowledge of technology with students. During National Engineers Week, we celebrate the achievements of these people—engineers. As expressed in the theme for the 1992 celebration, engineers use their education for the rewarding process of “Turning Ideas Into Reality.”

Through the Discover “E” program, engineers help address one of America’s greatest challenges—educating engineers of the future.

Engineers throughout the nation participate in Discover “E” by teaching students about engineering, from the opportunities and benefits, to the sense of accomplishment with an engineering career. The engineers’ experience and expertise help inspire students to pursue technological careers.

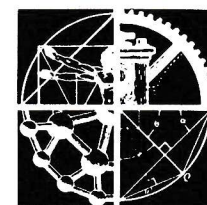
Naturally, engineers are not alone in this task. All facets of business must work together with schools, administrators, parents, students and government to help provide an efficient, progressive education system. We must give students the same type of environment that engineers thrive in—one that encourages discovery.

By fostering the creativity, innovation and thirst for learning that enabled Columbus and other explorers to take a chance with the unknown, we can create a new age of discovery where unprecedented gains in technology can be achieved.

Programs such as Discover “E” can build on students’ interest in technology by teaching them about exciting applications of science and math as well as the benefits derived from these efforts.

There are hundreds of fascinating programs engineers are working on every day that can be shared with students to educate and inspire them. What better way to encourage study than with the challenge of making new discoveries that will continue our legacy over the next 500 years.

(Mr. Beall has been an active participant in National Engineers Week. He is an engineer.)



ENGINEERS

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